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WATER-RESOURCES DATA FOR  
ALACHUA, BRADFORD, CLAY, AND UNION COUNTIES,  
FLORIDA

*By*

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WATER-RESOURCES DATA FOR  
ALACHUA, BRADFORD, CLAY, AND UNION COUNTIES,  
FLORIDA

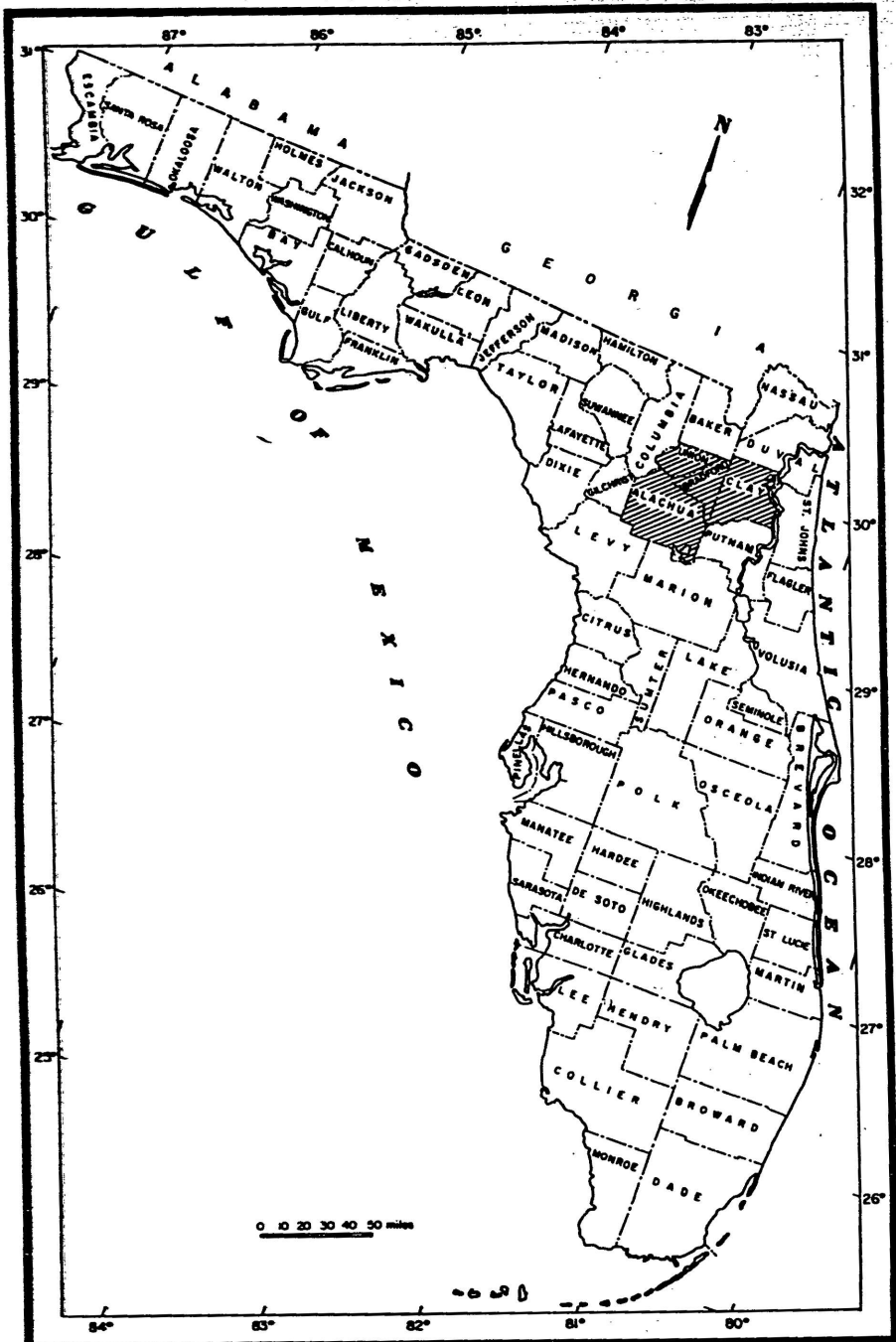
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INTRODUCTION

A study of the water resources of Alachua, Bradford, Clay, and Union counties, Florida (fig. 1), was made by the Water Resources Division of the U. S. Geological Survey in cooperation with the Florida Geological Survey during the period 1957-61. The results of this study will be published by the Florida Geological Survey in the following reports by William E. Clark, Rufus H. Musgrove, Clarence G. Menke, and Joseph W. Cagle, Jr.: "Interim Report on the Water Resources of Alachua, Bradford, Clay, and Union Counties, Florida," "Water Resources of Alachua, Bradford, Clay, and Union Counties, Florida," and "Hydrology of Brooklyn Lake, near Keystone Heights, Florida."

The following figures and tables give records of streamflow, stream stages, lake stages, wells, materials penetrated by selected wells, measurements of ground-water levels, and chemical analyses and temperatures of surface and ground waters.



Base taken from 1933 edition of map of Florida by U.S. Geological Survey

Figure 1. Florida showing the location of Alachua, Bradford, Clay, and Union counties.

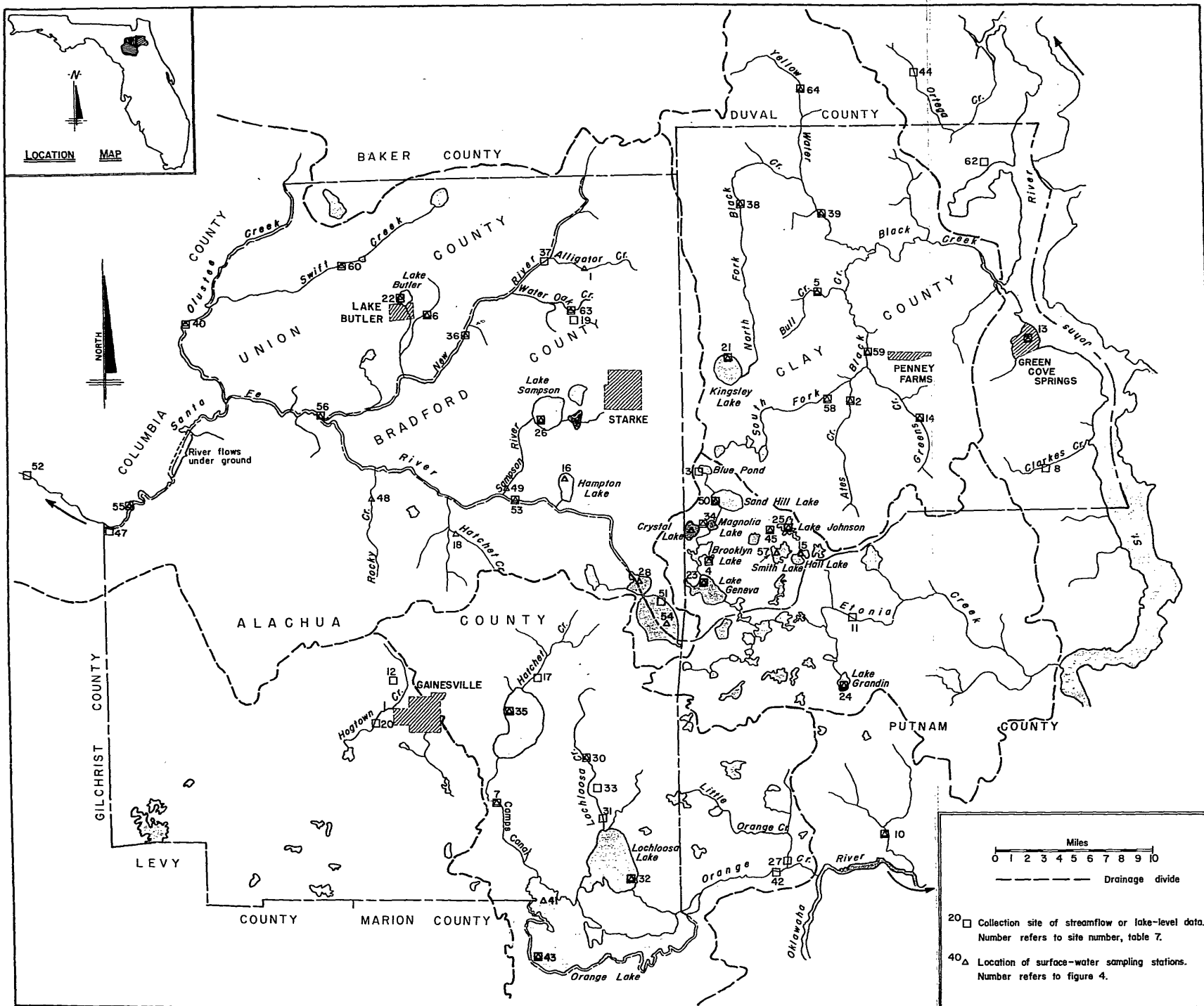


Figure 2. Locations of surface-water data-collection stations and surface-water sampling sites in and near Alachua, Bradford, Clay, and Union counties, Florida.

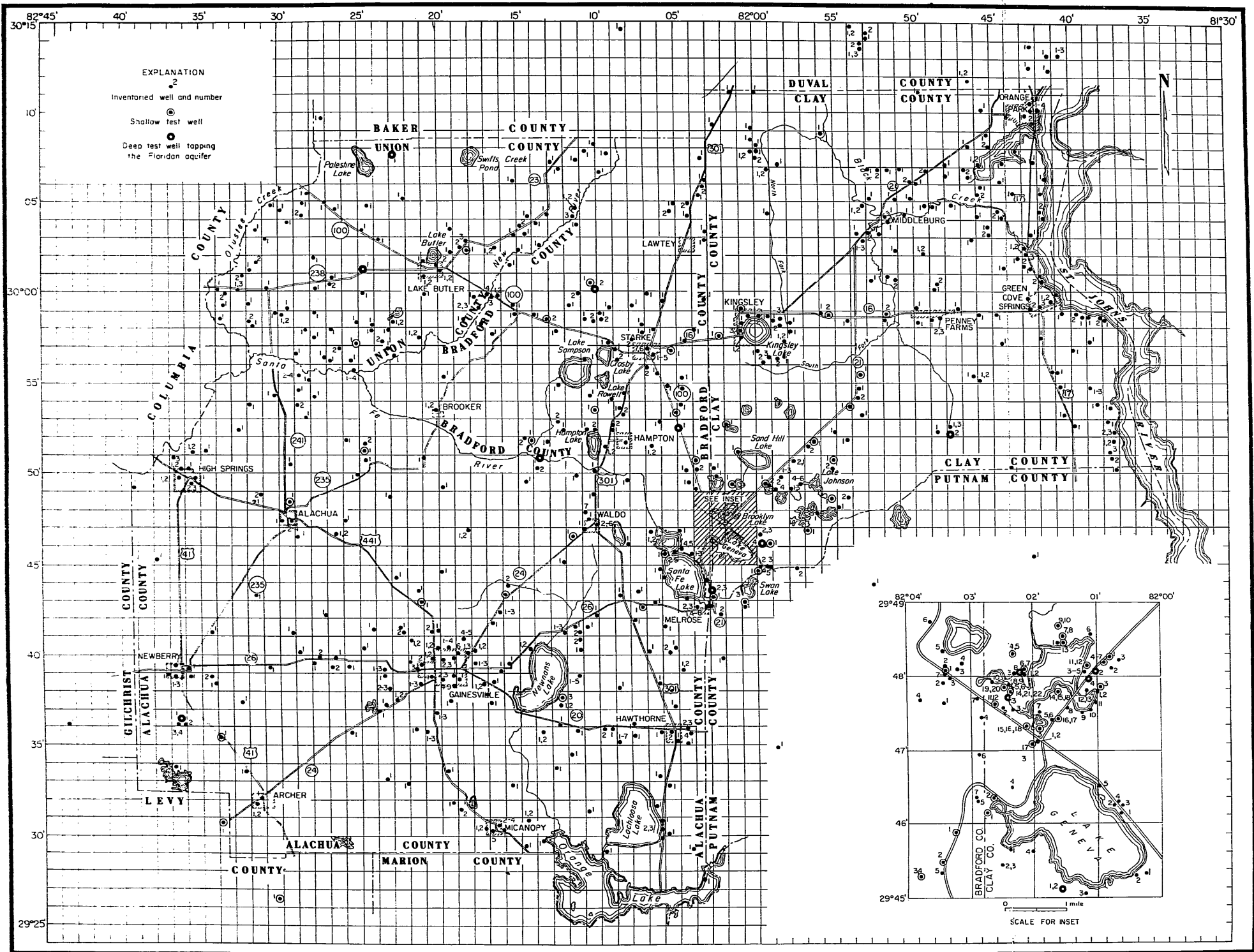
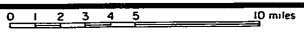


Figure 3. Alachua, Bradford, Clay, and Union counties, Florida, showing the location of wells.

Base taken from U.S.G.S. topographic quadrangles and Florida State Road Department maps.



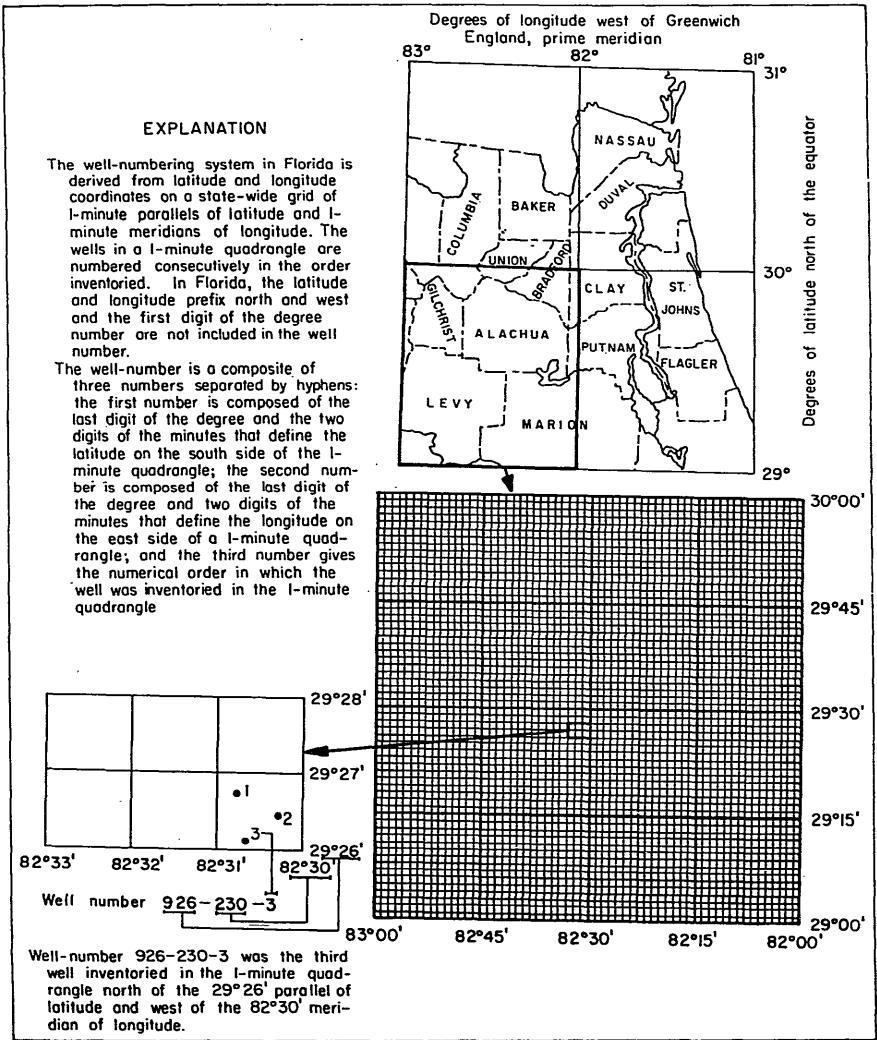


Figure 4. Explanation of well-numbering system.

Table 1. Streamflow, Stream Gages, and Lake Stages

(Number preceding station name is location number on figure 2 and table 7)

2. ATEC CREEK NEAR PENNEY FARMS, FLA.

Location.--Lat 29°56'10", long 81°52'15", in NE $\frac{1}{4}$  sec. 35, T. 6 S., R. 24 E., on woods road, 1.1 miles upstream from mouth, and 4.9 miles southwest of Penney Farms, Clay County.

Measurements of flow

| Date     | Discharge (cfs) | Stage (ft., msl) | Date                 | Discharge (cfs) | Stage (ft., msl) | Date     | Discharge (cfs) | Stage (ft., msl) |
|----------|-----------------|------------------|----------------------|-----------------|------------------|----------|-----------------|------------------|
| 9-15-57  | 21.9            | 31.84            | 12-23-58             | 16.1            | 31.68            | 9-28-59  | 17.5            | 31.74            |
| 10-1-57  | 48.3            | 33.05            | 2-13-59              | 37.2            | 32.67            | 11-18-59 | 12.4            | 31.46            |
| 11-21-57 | 9.7             | 31.37            | 3-16-59              | 776             | 40.50            | 1-22-60  | 10.3            | 31.37            |
| 1-21-58  | 23.7            | 31.93            | 3-17-59              | 1,300           | 41.81            | 4-19-60  | 13.6            | 31.53            |
| 3-13-58  | 33.4            | 32.44            | 3-19-59              | 372             | 39.00            | 5-31-60  | 22.9            | 31.91            |
| 5-1-58   | 6.9             | 31.22            | 4-14-59              | 14.6            | 31.62            | 7-25-60  | 71.1            | 33.48            |
| 5-2-58   | 9.2             | 31.28            | 5-20-59 (flood peak) | 48.9            | 31.18            | 7-29-60  | 568             | 39.73            |
| 5-3-58   | 4.9             | 31.10            | 5-26-59              | 122             | 35.18            |          |                 |                  |
| 10-23-58 | 27.1            | 32.02            | 8-4-59               | 50.3            | 33.05            |          |                 |                  |

3. BLUE POND NEAR KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°52'30", long 82°01'55", in NE $\frac{1}{4}$  sec. 19, T. 7 S., R. 23 E., on west side of lake, and 5.0 miles north of Keystone Heights, Clay County.

Records.--Periodic stage October 1958 to May 1961, contours of lake bottom, and 4 measurements of outflow. Maximum stage, 174.45 feet above mean sea level; minimum, 173.31 feet.

Maximum depth, 40 feet at a stage of 173.8 feet. Outflow: Apr. 6, 1960, 2.97 cfs, lake stage, 174.14 feet; May 26, 1960, 0.77 cfs, lake stage, 173.56 feet; July 19, 1960, 6.22 cfs, lake stage, 174.16 feet.

4. BROOKLYN LAKE AT KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°47'46", long 82°01'21", in SW $\frac{1}{4}$  sec. 17, T. 8 S., R. 23 E., at bridge on State Highway 21, 0.9 mile northeast of Keystone Heights, Clay County.

Records.--Stage July 17, 1957, to Dec. 31, 1960; contours of lake bottom; and 5 measurements of outflow.

Month-end stage, in feet above mean sea level

| Year | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1957 |        |        |        |        |        |        | 98.09  | 97.95  | 98.24  | 97.93  | 97.66  | 97.40  |
| 1958 | 97.47  | 97.43  | 97.58  | 98.08  | 98.53  | 98.35  | 98.84  | 99.36  | 99.32  | 99.29  | 99.63  | 99.93  |
| 1959 | 100.81 | 101.39 | 103.89 | 105.43 | 107.14 | 109.51 | 110.96 | 112.20 | 114.28 | 115.59 | 115.85 | 115.81 |
| 1960 | 115.73 | 115.83 | 116.51 | 116.97 | 116.34 | 116.26 | 116.80 | 116.93 | 117.41 | 116.91 | 116.55 | 116.07 |

Measurements of outflow

| Date    | Discharge (cfs)                 | Lake stage (ft., msl) | Date    | Discharge (cfs) | Lake stage (ft., msl) |
|---------|---------------------------------|-----------------------|---------|-----------------|-----------------------|
| No flow | July 17, 1959, to Oct. 15, 1959 |                       | 5-27-60 | 3.82            | 116.41                |
| 3-3-60  | 0.79                            | 115.82                | 7-25-60 | 4.17            | 116.48                |
| 4-6-60  | 5.13                            | 116.82                | 9-13-60 | 14.2            | 117.35                |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 5. BULL CREEK NEAR MIDDLEBURG, FLA.

Location.--Lat 30°01'49", long 81°53'52", on line between secs. 27 and 28, T. 5 S., R. 24 E., at bridge on State Highway 21, 1.5 miles upstream from mouth and 3.1 miles southwest of Middleburg, Clay County.

## Measurements of flow

| Date     | Discharge<br>(cfs) | Stage<br>(ft., msl) | Date    | Discharge<br>(cfs) | Stage<br>(ft., msl) |
|----------|--------------------|---------------------|---------|--------------------|---------------------|
| 11-21-57 | 14.8               | 11.14               | 3-21-59 | 263                | 17.54               |
| 4-11-58  | 91.6               | 14.48               | 5-20-59 | 2,250*             | 22.09               |
| 5-7-58   | 5.1                | 10.46               | 7-29-59 | 12.4               | 10.85               |
| 7-2-58   | 4.4                | 10.38               | 7-29-60 | 284                | 17.88               |
| 3-17-59  | 615                | 19.44               | 8-22-60 | 7.5                | 10.49               |
| 3-18-59  | 216                | 17.26               | 9-11-60 | 1,510              | 21.11               |

\* from rating

## 6. BUTLER CREEK NEAR LAKE BUTLER, FLA.

Location.--Lat 30°01', long 82°19', in sec. 32, T. 5 S., R. 20 E., at culvert on State Highway 100, 1.6 miles east of Lake Butler, Union County.

## Measurements of flow

| Date     | Discharge<br>(cfs) | Gage Height<br>(ft.) | Date    | Discharge<br>(cfs) | Gage Height<br>(ft.) |
|----------|--------------------|----------------------|---------|--------------------|----------------------|
| 5-8-58   | 16.1               | 3.27                 | 9-16-59 | 72.7               | 5.24                 |
| 12-16-58 | 12.7               | 3.22                 | 3-18-60 | 271                | 7.48                 |
| 3-20-59  | 180                | 6.64                 | 5-26-60 | .01                | 2.35                 |
| 3-17-59  | 286 (from rating)  | 7.61                 |         |                    |                      |

## 7. CAMPS CANAL NEAR ROCHELLE, FLA.

Location.--Lat 29°34'33", long 82°15'00", in SW $\frac{1}{4}$  sec. 31, T. 10 S., R. 21 E., at bridge on State Highway 234, 1.8 miles southwest of Rochelle, Alachua County, and 5 miles upstream from Orange Lake.

Records.--March 1948 to November 1952, periodic stage and discharge. Maximum discharge measured during that period, 889 cfs Mar. 16, 1948, at a stage of 66.39 feet above mean sea level; minimum, less than 1 cfs June 27, 1951, at a stage of 59.86 feet.

August 1957 to September 1960, daily stage and discharge. Maximum discharge during that period, 1,040 cfs Mar. 24, 1959, at a stage of 66.65 feet above mean sea level; minimum, 14 cfs Oct. 29, 30, 1958, at a stage of 60.49 feet.

## Monthly mean discharge, in cfs

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 1957 |      |      |      |      |     |      |      | 164  | 164   | 155  | 82.5 | 47.5 |
| 1958 | 37.7 | 42.1 | 211  | 215  | 161 | 88.4 | 79.7 | 77.2 | 51.1  | 23.7 | 37.6 | 40.2 |
| 1959 | 107  | 121  | 504  | 426  | 221 | 276  | 221  | 161  | 174   | 232  | 159  | 86.0 |
| 1960 | 55.5 | 50.0 | 253  | 260  | 103 | 54.6 | 99.5 | 329  | 336   |      |      |      |

## Month-end stage, in feet above mean sea level

| Year | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1957 |       |       |       |       |       |       |       | 62.49 | 62.78 | 62.02 | 61.53 | 61.02 |
| 1958 | 61.19 | 61.52 | 63.10 | 63.18 | 62.04 | 61.37 | 61.50 | 61.41 | 60.71 | 60.57 | 61.04 | 61.27 |
| 1959 | 62.00 | 62.25 | 65.39 | 63.01 | 63.43 | 63.20 | 62.57 | 62.22 | 62.60 | 63.01 | 62.16 | 61.78 |
| 1960 | 61.50 | 62.06 | 64.18 | 62.75 | 61.90 | 61.88 | 63.49 | 63.82 | 64.25 |       |       |       |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 8. CLARKES CREEK NEAR GREEN COVE SPRINGS, FLA.

Location.--Lat 29°52'40", long 81°39'52", in NE $\frac{1}{4}$  sec. 23, T. 7 S., R. 26 E., at bridge, 3.1 miles upstream from mouth and 7.8 miles south of Green Cove Springs, Clay County.

| Measurements of flow |                 |                   |         |                 |                   |
|----------------------|-----------------|-------------------|---------|-----------------|-------------------|
| Date                 | Discharge (cfs) | Gage Height (ft.) | Date    | Discharge (cfs) | Gage Height (ft.) |
| 11-22-57             | 3.6             | 7.90              | 6-23-60 | 15.4            | 9.30              |
| 7-7-58               | 3.4             | 7.90              | 7-29-60 | 65.1            | 10.80             |
| 12-10-58             | 6.2             | 8.14              | 8-19-60 | 4.4             | 8.15              |
| 3-21-59              | 112             | 11.22             | 9-11-60 | (flood peak)    | 13.66             |

## 10. DEEP CREEK NEAR RODMAN, FLA.

Location.--Lat 29°32'28", long 81°50'12", in NW $\frac{1}{4}$  sec. 18, T. 11 S., R. 25 E., at concrete bridge on State Highway 310, 2.7 miles upstream from mouth, 4.7 miles west of Rodman, Putnam County, and 6.9 miles northeast of Orange Springs.

| Measurements of flow |                 |                   |         |                     |                   |
|----------------------|-----------------|-------------------|---------|---------------------|-------------------|
| Date                 | Discharge (cfs) | Gage Height (ft.) | Date    | Discharge (cfs)     | Gage Height (ft.) |
| 4-24-56              | 40.3            | -                 | 3-18-60 | 1,280 (from rating) | 14.16             |
| 11-22-57             | 59.8            | 9.66              | 7-29-60 | 451                 | 12.10             |
| 9-9-58               | 68.6            | 9.77              | 8-22-60 | 80.2                | 10.12             |
| 2-3-59               | 74.3            | 10.08             | 2-6-61  | 144                 | 11.00             |
| 3-18-59              | 766             | 12.94             |         |                     |                   |

## 11. ETONIA CREEK NEAR FLORAHOME, FLA.

Location.--Lat 29°44'05", long 81°51'45", in sec. 2, T. 9 S., R. 24 E., at county road bridge, 1.5 miles east of Florahome.

| Monthly mean discharge, in cfs |      |      |      |      |      |      |      |      |       |      |      |      |
|--------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Year                           | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1950                           | 18.1 | 11.1 | 36.6 | 19.9 | 7.68 | 13.9 | 64.6 | 21.2 | 109   | 170  | 73.2 | 40.3 |
| 1951                           | 39.3 | 28.8 | 28.6 | 22.6 | 13.1 | 7.22 | 13.1 | 17.8 | 17.9  |      |      |      |

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1950  | 70.49 | 70.28 | 70.92 | 70.47 | 70.06 | 70.89 | 70.13 | 69.41 | 70.70 | 70.50 | 69.74 | 70.16 |
| 1951  | 69.52 | 69.37 | 69.52 | 69.25 | 69.06 | 69.22 | 69.36 | 69.23 | 69.26 |       |       |       |

## 12. GLEN SPRINGS NEAR GAINESVILLE, FLA.

Location.--Two miles north of Gainesville and 0.5 mile west of U. S. Highway 441.

Records.--Measurements of discharge: Dec. 10, 1941, 0.32 cfs; Apr. 16, 1946, 0.33 cfs; Apr. 24, 1956, 0.36 cfs; Oct. 17, 1960, 0.42 cfs.

## 13. GREEN COVE SPRINGS AT GREEN COVE SPRINGS, FLA.

Location.--In Green Cove Springs opposite Qui-Si-Sana Hotel on U. S. Highway 17.

Records.--Measurements of discharge: Feb. 12, 1929, 5.4 cfs; Apr. 18, 1946, 4.42 cfs; Oct. 4, 1950, 4.15 cfs; June 18, 1954, 2.68 cfs; Apr. 25, 1956, 2.74 cfs; Oct. 19, 1960, 3.52 cfs.



Table 1.--Streamflow, stream stages, and lake stages - continued

## 14. GREENS CREEK NEAR PENNEY FARMS, FLA.

Location.--Lat 29°54'38", long 81°47'40", in SW $\frac{1}{4}$  sec. 3, T. 7 S., R. 25 E., at county road bridge 5 miles south of Penney Farms, Clay County.

## Measurements of flow

| Date     | Discharge<br>(cfs) | Stage<br>(ft., msl) | Date                 | Discharge<br>(cfs) | Stage<br>(ft., msl) | Date    | Discharge<br>(cfs) | Stage<br>(ft., msl) |
|----------|--------------------|---------------------|----------------------|--------------------|---------------------|---------|--------------------|---------------------|
| 9-11-57  | 46.2               | 53.33               | 12-12-58             | 142                | 54.27               | 1- 6-60 | 1.16               | 51.69               |
| 10- 8-57 | 15.6               | 52.89               | 2- 4-59              | 5.17               | 52.25               | 3- 2-60 | 8.72               | 52.47               |
| 11-21-57 | 1.37               | 51.58               | 3-16-59              | 265                | 54.75               | 3-17-60 | 724                | 56.10               |
| 1-21-58  | 10.2               | 52.54               | 3-19-59              | 180                | 54.35               | 4-27-60 | 4.71               | 52.01               |
| 3-18-58  | 13.1               | 52.76               | 3-21-59              | 309                | 54.87               | 6-23-60 | 12.8               | 52.64               |
| 4-11-58  | 22.3               | 53.12               | 4- 3-59              | 41.4               | 53.41               | 7-29-60 | 206                | 54.54               |
| 5- 7-58  | 1.89               | 51.66               | 5-20-59 (flood peak) |                    | 58.78               | 8-18-60 | 2.39               | 51.79               |
| 7- 3-58  | .42                | 51.48               | 7-29-59              | .94                | 51.51               | 9-11-60 | 847                | 56.27               |
| 9- 3-58  | .26                | 51.37               | 9-22-59              | 26.7               | 53.29               |         |                    |                     |
| 10-23-58 | 4.40               | 51.95               | 11-11-59             | .99                | 51.61               |         |                    |                     |

## 17. HATCHET CREEK NEAR GAINESVILLE, FLA.

Location.--Lat 29°42', long 82°12', corner of secs. 21, 22, 27, 28, T. 9 S., R. 21 E., at bridge on State Highway 26, 1.2 miles upstream from Newmans Lake and 7.5 miles northeast of Gainesville.

## Measurements of flow

| Date     | Discharge<br>(cfs) | Stage<br>(ft., msl) | Date    | Discharge<br>(cfs)  | Stage<br>(ft., msl) |
|----------|--------------------|---------------------|---------|---------------------|---------------------|
| 3-11-48  | 2,000              | 76.86               | 3-19-59 | 1,700 (from rating) | 76.41               |
| 4-24-56  | .54                | 70.29               | 3-21-59 | 1,370               | 75.93               |
| 11-18-57 | 5.29               | 70.78               | 1-20-60 | 9.16                | 70.44               |
| 7- 1-58  | 17.0               | 71.47               | 5-24-60 | 2.30                | 70.00               |
| 12- 9-58 | 33.0               | 72.34               | 7-16-60 | 145                 | 72.90               |

## 19. HEILBRONN SPRING NEAR STARKE, FLA.

Location.--About 6 miles northwest of Starke and 0.1 mile south of State Highway 16.

Records.--Measurements of discharge: 1903, 100 gpm; 1913, 250 gpm; May 8, 1946, 36 gpm; May 2, 1956, 12 gpm; Oct. 18, 1960, 33 gpm.

## 20. HOGTOWN CREEK NEAR GAINESVILLE, FLA.

Location.--Lat 29° 39', long 82° 23', in sec. 2, T. 10 S., R. 19 E., on Newberry Road about 400 feet downstream from University Avenue in Gainesville.

## Measurements of flow

| Date     | Discharge<br>(cfs) | Stage<br>(ft., msl) | Date     | Discharge<br>(cfs) | Stage<br>ft., msl) |
|----------|--------------------|---------------------|----------|--------------------|--------------------|
| 3- 3-58  | 67.0               | 66.91               | 3-17-59  | 413                | 68.46              |
| 5-12-58  | 9.94               | 62.52               | 3-19-59  | 85.9               | 67.02              |
| 12- 8-58 | 7.62               | 65.55               | 11- 9-59 | 8.54               | 65.75              |
| 3-15-59  | 381                | 68.31               | 3-18-60  | 521 (from rating)  | 68.76              |
| 3-16-59  | 226                | 67.78               | 5-24-60  | 2.48               | 65.41              |

Table 1.--Streamflow, stream stages, and lake stages - continued

21. KINGSLEY LAKE AT CAMP BLANDING, FLA.

Location.--Lat 29°58'28", long 81°59'22", in SE $\frac{1}{4}$  sec. 15, T. 6 S., R. 23 E., on dock at Officers' club on northeast shore of lake at Camp Blanding, Clay County.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1945  |        |        |        |        |        | 176.58 | 177.18 | 177.03 | 176.86 | 176.56 | 176.52 | 177.01 |
| 1946  | 176.62 | 176.32 | 176.32 |        |        |        |        |        |        | 176.27 |        |        |
| 1947  |        |        | 176.46 |        | 176.46 | 176.42 | 176.46 | 176.44 | 176.90 | 177.06 | 176.58 | 176.42 |
| 1948  | 176.68 | 176.58 | 176.78 | 176.34 | 175.92 | 175.84 | 176.12 | 176.32 | 176.32 | 176.38 | 176.34 | 176.40 |
| 1949  | 176.38 | 176.42 | 176.22 | 176.36 | 176.20 | 176.34 | 176.24 | 176.18 | 176.60 | 176.22 | 176.38 | 176.28 |
| 1950  | 176.18 | 175.98 | 176.12 | 175.98 | 175.92 | 175.76 | 176.58 | 176.36 | 177.34 | 177.56 | 176.82 | 176.80 |
| 1951  | 176.74 | 176.72 | 176.78 | 176.78 | 176.42 | 176.22 | 176.36 | 176.62 | 176.82 | 176.68 | 176.76 | 176.84 |
| 1952  | 176.84 | 177.06 | 176.90 | 176.66 | 176.70 | 176.66 | 176.58 | 176.36 | 176.58 | 176.50 | 176.34 | 176.20 |
| 1953  | 176.60 | 176.62 | 176.66 | 177.08 | 176.58 | 176.70 | 177.22 | 177.72 | 176.98 | 176.44 | 176.38 | 176.72 |
| 1954  | 176.54 | 176.48 | 176.42 | 176.42 | 175.98 | 175.82 | 175.78 | 175.52 | 175.42 | 175.52 | 175.30 | 175.16 |
| 1955  | 175.42 | 175.66 | 175.58 | 175.48 | 175.18 | 174.90 | 175.04 | 175.02 | 175.12 | 174.86 | 174.72 | 174.58 |
| 1956  | 174.60 | 174.84 | 174.48 | 174.62 | 174.78 | 174.92 | 175.08 | 174.94 | 174.94 | 175.42 | 175.12 | 175.02 |
| 1957  | 174.92 | 174.90 | 175.02 | 175.10 | 175.20 | 175.70 | 176.00 | 176.58 | 176.58 | 176.40 | 176.38 | 176.18 |
| 1958  | 176.22 | 176.22 | 176.68 | 176.72 | 176.41 | 176.26 | 176.50 | 176.34 | 176.01 | 175.98 | 176.16 | 176.31 |
| 1959  | 176.49 | 176.61 | 177.05 | 176.73 | 176.91 | 176.40 | 176.54 | 176.28 | 176.82 | 176.47 | 176.26 | 176.18 |
| 1960  | 176.16 | 176.40 | 176.62 | 176.45 | 176.08 | 176.16 | 176.70 | 176.34 | 176.68 | 176.34 | 176.12 | 176.00 |

22. LAKE BUTLER AT LAKE BUTLER, FLA.

Location.--Lat 30°02', long 82°20', in sec. 30, T. 5 S., R. 20 E., at city park 0.3 mile north of court house at Lake Butler, Union County.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1957  |        |        |        |        |        |        | 130.80 | 130.74 | 130.56 | 130.36 | 130.40 | 130.38 |
| 1958  | 130.56 | 130.96 | 131.24 | 131.28 | 130.96 | 130.76 | 130.80 | 131.08 | 130.76 | 130.72 | 130.92 | 131.02 |
| 1959  | 131.34 | 131.34 | 132.22 | 131.42 | 132.38 | 131.34 | 131.20 | 130.86 | 131.18 | 131.10 | 130.60 | 130.46 |
| 1960  | 130.42 | 131.04 | 131.70 | 130.94 | 130.48 | 130.94 | 131.20 | 131.58 | 131.48 | 131.08 | 130.62 | 130.44 |

23. LAKE GENEVA AT KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°46'26", long 82°01'59", in NE $\frac{1}{4}$  sec. 30, T. 8 S., R. 23 E., 0.1 mile east of State Highway 21, 0.8 mile south of Keystone Heights, Clay County.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1957  |        |        |        |        |        |        | 100.69 | 100.58 | 100.89 | 100.79 | 100.66 | 100.48 |
| 1958  | 100.54 | 100.57 | 100.81 | 100.88 | 100.61 | 100.39 | 100.44 | 100.33 | 100.01 | 99.81  | 99.92  | 99.99  |
| 1959  | 100.14 | 100.25 | 100.89 | 100.88 | 101.13 | 101.42 | 101.59 | 101.99 | 102.31 | 102.37 | 102.23 | 102.19 |
| 1960  | 102.19 | 102.28 | 102.67 | 102.79 | 102.55 | 102.88 | 103.57 | 103.81 | 104.73 | 105.17 | 105.45 | 105.49 |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 24. LAKE GRANDIN NEAR INTERLACHEN, FLA.

Location.--Lat 29°40'16", long 81°52'55", in NE $\frac{1}{4}$  sec. 34, T. 9 S., R. 24 E., on boat house in Grandin Shores Development 2.8 miles north of Interlachen, Putnam County, on south shore of lake.

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1957  |       |       |       |       |       |       | 80.39 | 80.79 | 81.29 | 81.10 | 81.07 | 80.99 |
| 1958  | 81.21 | 81.29 | 81.53 | 81.40 | 81.22 | 81.29 | 81.49 | 81.21 | 81.15 | 81.05 | 81.23 | 81.43 |
| 1959  | 81.51 | 81.53 | 82.09 | 81.91 | 81.95 | 81.6  | 81.75 | 81.45 | 81.59 | -     | 81.49 | 81.49 |
| 1960  | 81.43 | 81.59 | 82.15 | 81.95 | 81.51 | 81.65 | 82.39 | 82.13 | 82.31 | -     | 81.99 | -     |

## 25. LAKE JOHNSON NEAR KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°49'31", long 81°57'07", in SE $\frac{1}{4}$  sec. 1, T 8 S., R. 23 E., on dock at bathing beach on northwest shore of lake in Gold Head Branch State Park,  $\frac{5}{2}$  miles northeast of Keystone Heights, Clay County.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1945  |        |        |        |        |        |        | 97.67  | 97.95  | 98.15  | 98.01  | 97.71  | 98.41  |
| 1946  | 98.45  | 98.45  | 98.41  | 98.25  | 98.91  | 98.91  | 99.11  | 99.59  | 99.85  | 99.99  | 99.97  | 99.79  |
| 1947  | 99.69  | 99.81  | 100.31 | 100.21 | 100.05 | 99.95  | 99.87  | 100.01 | 100.21 | 101.31 | 101.91 | 102.11 |
| 1948  | 102.61 | 102.39 | 103.91 | 103.69 | 103.41 | 103.51 | 103.41 | 103.71 | -      | 105.1  | 103.87 | 105.51 |
| 1949  | 105.51 | 104.4  | 105.31 | 105.41 | 102.81 | 103.01 | 102.71 | 102.71 | 102.61 | 102.48 | 102.21 | 102.01 |
| 1950  | 101.71 | 101.21 | 101.21 | 100.91 | -      | 99.49  | 99.71  | 99.41  | -      | -      | 99.61  | 100.03 |
| 1951  | 100.19 | -      | -      | -      | -      | 97.81  | 97.51  | -      | 97.61  | 97.76  | 97.31  | 97.31  |
| 1952  | 97.01  | 96.91  | 96.81  | 96.9   | 97.11  | 96.83  | 96.63  | 96.71  | 96.61  | 96.61  | -      | 96.03  |
| 1953  | 96.03  | 96.09  | 96.03  | 96.21  | 95.81  | 95.61  | 96.09  | 97.35  | 97.76  | 98.21  | 98.41  | 98.91  |
| 1954  | 98.95  | 99.07  | 98.79  | 98.71  | 98.29  | 97.77  | 97.63  | 97.21  | 97.11  | 97.01  | 96.71  | 96.21  |
| 1955  | -      | 96.01  | 95.59  | 95.03  | 94.43  | 93.81  | 93.71  | 93.15  | 92.88  | 92.89  | 92.87  | 92.79  |
| 1956  | 92.93  | 92.79  | 92.41  | 92.30  | 92.17  | 92.31  | 92.14  | 92.03  | 91.95  | 92.31  | 92.07  | 91.97  |
| 1957  | 91.97  | 92.31  | 92.31  | 92.01  | 92.79  | 93.23  | 94.65  | 94.83  | 95.01  | 94.99  | 95.04  | 95.03  |
| 1958  | 95.05  | 95.02  | 95.01  | 95.01  | 94.99  | 95.01  | 95.01  | 95.01  | 95.01  | 95.01  | 94.93  | 95.01  |
| 1959  | 94.99  | 95.0   | 95.06  | 95.11  | 95.26  | 95.25  | 95.15  | 95.28  | 95.34  | 95.73  | 95.70  | 95.67  |
| 1960  | 95.60  | 95.72  | 96.35  | 96.45  | 96.37  | 96.23  | -      | -      | 98.21  | 98.29  | 98.35  | 98.35  |

## 26. LAKE SAMPSON NEAR STARKE, FLA.

Location.--Lat 29°55'19", long 82°12'14", in NE $\frac{1}{4}$  sec. 4, T. 7 S., R. 21 E., at lake outlet, 0.4 mile northeast of Sampson City and 5.8 miles west of Starke.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1957  |        |        |        |        |        |        | 132.34 | 132.35 | 132.50 | 132.49 | 131.98 | 131.64 |
| 1958  | 131.77 | 132.37 | 133.40 | 132.74 | 131.72 | 130.97 | 131.97 | 132.26 | 131.13 | 130.82 | 130.84 | 131.64 |
| 1959  | 132.58 | 132.48 | 135.27 | 133.38 | 135.76 | 133.98 | 132.29 | 131.53 | 133.74 | 133.16 | 131.96 | 131.30 |
| 1960  | 131.02 | 131.42 | 134.12 | 132.36 | 131.36 | 131.42 | 134.18 | 133.38 | 134.17 | 132.72 | -      | -      |

## Outflow from lake (Sampson River) at State Highway 225

| Date     | Discharge (cfs) | Lake stage (ft., msl) | Date    | Discharge (cfs) | Lake stage (ft., msl) |
|----------|-----------------|-----------------------|---------|-----------------|-----------------------|
| 11-19-57 | 20.1            | 132.10                | 9-16-59 | 159             | 133.74                |
| 7-10-58  | 48.1            | 132.06                | 1-20-60 | 18.3            | 131.06                |
| 2-4-59   | 57.0            | 132.28                | 5-24-60 | 30.4            | 131.34                |
| 3-23-59  | 325             | 136.15                | 7-16-60 | 61.6            | 132.13                |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 27. LITTLE ORANGE CREEK NEAR ORANGE SPRINGS, FLA

Location.--Lat 29°31'22", long 81°56'26", in NW $\frac{1}{4}$  sec. 19, T. 11 S., R. 24 E., at county road bridge 0.4 mile east of State Highway 315, and 1.2 miles north of Orange Springs.

| Measurements of flow |                    |          |                    |          |                    |          |                    |
|----------------------|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|
| Date                 | Discharge<br>(cfs) | Date     | Discharge<br>(cfs) | Date     | Discharge<br>(cfs) | Date     | Discharge<br>(cfs) |
| 6-24-46              | 46.9               | 12- 4-47 | 106                | 12- 2-48 | 81.9               | 9-12-50  | 178                |
| 7-29-46              | 110                | 1- 8-48  | 46.2               | 12-30-48 | 81.9               | 9-28-50  | 109                |
| 8-27-46              | 99.7               | 2- 2-48  | 146                | 3- 3-49  | 49.2               | 11- 1-50 | 121                |
| 10- 3-46             | 49.3               | 3- 3-48  | 65.9               | 7-27-49  | 35.6               | 2- 5-51  | 44.2               |
| 10-29-46             | 61.9               | 3-31-48  | 167                | 8-31-49  | 104                | 9-21-51  | 25.4               |
| 12- 6-46             | 39.6               | 4-27-48  | 44.4               | 9-28-49  | 88.0               | 1-25-52  | 31.6               |
| 3-27-47              | 82.6               | 7-29-48  | 44.0               | 11- 2-49 | 61.5               | 4-16-52  | 45.6               |
| 8-27-47              | 56.5               | 9- 2-48  | 91.9               | 12- 1-49 | 44.4               | 4-24-56  | 3.77               |
| 10- 7-47             | 236                | 9-29-48  | 64.4               | 12-27-49 | 23.6               |          |                    |
| 11- 6-47             | 136                | 10-28-48 | 80.3               | 2- 1-50  | 17.8               |          |                    |

## 29. LOCH LOMMOND NEAR KEYSTONE HEIGHTS, FLA

Location.--Lat 29°48'15", long 82°00'50", in NE $\frac{1}{4}$  sec. 17, T. 8 S., R. 23 E., on west shore of lake, 300 feet east of State Highway 21, and 1.5 miles northwest of Keystone Heights, Clay County.

| Measurements of stage |                     |         |                     |          |                     |
|-----------------------|---------------------|---------|---------------------|----------|---------------------|
| Date                  | Stage<br>(ft., msl) | Date    | Stage<br>(ft., msl) | Date     | Stage<br>(ft., msl) |
| 5-27-59               | 92.23               | 1-22-60 | 94.58               | 8-22-60  | 96.24               |
| 8- 4-59               | 93.12               | 2-26-60 | 94.61               | 9-12-60  | 97.09               |
| 8- 6-59               | 93.10               | 4-21-60 | 95.25               | 10-17-60 | 97.83               |
| 9-17-59               | 93.87               | 6- 3-60 | 95.30               | 12- 8-60 | 97.88               |
| 10- 1-59              | 94.01               | 6-21-60 | 95.31               | 2- 2-61  | 97.61               |
| 11-16-59              | 94.63               | 6-24-60 | 95.31               | 3-23-61  | 97.52               |
| 12-21-59              | 94.69               | 7-29-60 | 95.74               | 5-18-61  | 96.84               |

## 30. LOCHLOOSA CREEK AT GROVE PARK, FLA.

Location.--Lat 29°36'00", long 82°08'40", in sec. 30, T. 10 S., R. 22 E., at bridge on State Highway 20, 1.0 mile east of Grove Park, and 3.6 miles west of Hawthorn.

| Measurements of flow |                    |                     |          |                    |                     |          |                      |                     |
|----------------------|--------------------|---------------------|----------|--------------------|---------------------|----------|----------------------|---------------------|
| Date                 | Discharge<br>(cfs) | Stage<br>(ft., msl) | Date     | Discharge<br>(cfs) | Stage<br>(ft., msl) | Date     | Discharge<br>(cfs)   | Stage<br>(ft., msl) |
| 1- 7-47              | 0.25               | 75.74               | 5- 9-58  | 4.90               | 76.46               | 5-29-59  | 27.7                 | 77.10               |
| 2-19-47              | 10.6               | 76.10               | 7- 1-58  | .07                | 75.11               | 7-20-59  | 17.5                 | 76.84               |
| 4-23-56              | 0                  | (dry)               | 9- 2-58  | 1.16               | 75.41               | 9-14-59  | 53.0                 | 77.75               |
| 9- 9-57              | 8.20               | 76.34               | 10-20-58 | .005               | 75.02               | 11- 6-59 | 3.59                 | 76.08               |
| 10- 8-57             | 30.9               | 77.24               | 12- 8-58 | 2.53               | 75.59               | 1-21-60  | 1.13                 | 75.70               |
| 11-18-57             | 1.06               | 75.68               | 2- 2-59  | 6.55               | 75.93               | 3-18-60  | 920 (from<br>rating) | 81.00               |
| 1-20-58              | 4.55               | 76.03               | 3-17-59  | 751                | 80.72               | 3-28-60  | 37.4                 | 77.17               |
| 3-17-58              | 70.0               | 77.65               | 3-21-59  | 448                | 80.02               | 5-23-60  | .36                  | 75.51               |
| 4-11-58              | 93.7               | 77.87               | 3-30-59  | 51.5               | 77.38               | 7-14-60  | 31.4                 | 76.96               |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 31. LOCHLOOSA CREEK NEAR HAWTHORN, FLA.

Location.--Lat 29°33'55", long 82°08'25", in sec. 6, T. 11 S., R. 22 E., at sand road crossing 1 $\frac{1}{4}$  miles upstream from Lochloosa Lake, and 3-3/4 miles southwest of Hawthorn.

| Measurements of flow |                 |                  |          |                 |                  |          |                 |                  |
|----------------------|-----------------|------------------|----------|-----------------|------------------|----------|-----------------|------------------|
| Date                 | Discharge (cfs) | Stage (ft., msl) | Date     | Discharge (cfs) | Stage (ft., msl) | Date     | Discharge (cfs) | Stage (ft., msl) |
| 2-19-47              | 13.7            | 60.71            | 3-23-49  | 5.41            | 60.07            | 4-23-51  | 2.62            | 59.84            |
| 4- 2-47              | 59.2            | 62.11            | 5- 4-49  | 14.8            | 60.67            | 5-18-51  | 1.01            | 59.79            |
| 5-14-47              | 1.22            | 59.70            | 6-22-49  | 2.99            | 59.89            | 6-27-51  | .98             | 59.71            |
| 6-24-47              | 1.84            | 59.74            | 7-25-49  | 6.12            | 60.04            | 8-10-51  | 6.83            | 60.00            |
| 8- 4-47              | 2.93            | 59.90            | 9-13-49  | 40.5            | 61.65            | 9-19-51  | 84.6            | 62.32            |
| 9- 5-47              | 51.1            | 62.01            | 10-25-49 | 10.7            | 60.44            | 11- 2-51 | 3.85            | 59.78            |
| 10-29-47             | 76.6            | 62.40            | 12- 7-49 | 7.62            | 60.28            | 12-14-51 | 6.52            | 60.06            |
| 12-15-47             | 18.6            | 61.14            | 1-18-50  | 3.02            | 59.91            | 1-23-52  | 6.78            | 60.01            |
| 1-26-48              | 418             | 63.99            | 2-28-50  | 1.21            | 59.79            | 3- 6-52  | 46.7            | 61.56            |
| 3- 9-48              | 251             | 63.24            | 4-13-50  | 3.77            | 59.92            | 4-17-52  | 10.0            | 60.28            |
| 4-19-48              | 62.5            | 62.21            | 5-25-50  | 1.04            | 59.72            | 5-29-52  | 10.7            | 60.33            |
| 5-31-48              | 3.26            | 59.90            | 7- 6-50  | 33.0            | 61.56            | 7- 9-52  | 1.05            | 59.52            |
| 7-12-48              | 1.73            | 59.73            | 8-17-50  | 2.64            | 59.77            | 7-11-52  | .95             | 59.51            |
| 8-23-48              | 140             | 62.81            | 9-27-50  | 14.3            | 60.68            | 8-21-52  | 2.47            | 59.62            |
| 10- 7-48             | 138             | 62.86            | 11- 9-50 | 20.6            | 60.98            | 10- 2-52 | 2.02            | 59.63            |
| 11-16-48             | 3.70            | 59.96            | 12-21-50 | 6.63            | 60.06            | 11-14-52 | .74             | 59.58            |
| 1- 5-49              | 8.88            | 60.35            | 1-31-51  | 4.36            | 59.94            | 12-23-52 | .96             | 59.62            |
| 2-17-49              | 27.6            | 61.22            | 3-12-51  | 4.60            | 59.88            |          |                 |                  |

## 32. LOCHLOOSA LAKE AT LOCHLOOSA, FLA.

Location.--Lat 29°30', long 82°06', in sec. 27, T. 11 S., R. 22 E., on southeast shore of lake at Lochloosa.

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1942  |       |       |       |       |       |       | 58.73 | 58.42 | 58.49 | 58.11 | 57.93 | 57.98 |
| 1943  | 57.79 | 57.48 | 57.28 | 56.90 | 56.75 | 56.53 | 56.40 | 56.63 | 57.37 | 56.67 | 56.35 | 56.20 |
| 1944  | 56.30 | 56.19 | 57.05 | 57.93 | 57.61 | 57.55 | 57.73 | 57.97 | 57.80 | 58.65 | 58.61 | 58.47 |
| 1945  | 58.53 | 58.38 | 57.89 | 57.60 | 56.93 | 57.15 | 58.26 | 59.07 | 59.23 | 58.85 | 58.50 | 59.49 |
| 1946  | 59.62 | 59.45 | 59.36 | 58.84 | 59.11 | 59.37 | 60.54 | 60.92 | 60.91 | 60.77 | 59.86 | 59.30 |
| 1947  | 58.23 | 58.89 | 59.59 | 59.48 | 59.05 | 58.64 | 58.67 | 58.96 | 59.86 | 60.58 | 60.87 | 60.23 |
| 1948  | 60.88 | 60.54 | 61.59 | 60.56 | 59.68 | 59.30 | 59.42 | 60.07 | 59.94 | 60.01 | 59.53 | 59.34 |
| 1949  | 58.93 | 59.12 | 58.76 | 59.27 | 58.75 | 58.67 | 58.61 | 59.03 | 59.42 | 59.47 | 59.32 | 58.98 |
| 1950  | 58.67 | 58.27 | 58.25 | 57.92 | 57.50 | 57.25 | 53.04 | 58.07 | 60.04 | 60.21 | 59.49 | 59.19 |
| 1951  | 58.78 | 58.51 | 58.41 | 57.89 | 57.19 | 57.07 | 56.99 | 57.05 | 57.78 | 58.32 | 58.84 | 59.03 |
| 1952  | 58.67 | 59.37 | 59.25 | 59.01 | 58.67 | 58.43 | 58.11 | 58.11 | 57.77 | 57.71 | 57.41 | 57.19 |
| 1956  |       |       |       |       | 54.15 | 54.11 | 54.10 | 54.19 | 54.21 | 54.24 | 55.61 | 55.32 |
| 1957  | 55.24 | 55.21 | 55.21 | 55.15 | 55.33 | 55.79 | 56.19 | 57.14 | 57.55 | 57.31 | 56.91 | 56.50 |
| 1958  | 56.58 | 56.65 | 57.91 | 58.03 | 57.54 | 57.39 | 57.39 | 57.36 | 57.00 | 57.03 | 57.09 | 57.30 |
| 1959  | 57.76 | 57.92 | 59.97 | 59.68 | 59.09 | 59.44 | 59.14 | 58.51 | 58.45 | 58.18 | 57.86 | 57.66 |
| 1960  | 57.50 | 57.61 | 59.21 | 58.84 | 58.16 | 58.96 | 59.54 | 59.56 | 60.15 | 59.91 | 59.35 |       |

| Monthly mean outflow from lake at U. S. 301, in cfs |      |      |      |      |      |      |      |      |       |      |      |      |
|---|------|------|------|------|------|------|------|------|-------|------|------|------|
| Year  | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1946  | -    | -    |      |      |      |      |      |      |       | 196  | 138  | 59.6 |
| 1947  | 32.3 | 21.3 | 44.0 | 62.2 | 34.5 | 17.6 | 11.9 | 16.6 | 39.4  | 111  | 179  | 154  |
| 1948  | 131  | 176  | 270  | 213  | 105  | 41.5 | 27.5 | 86.8 | 104   | 126  | 61.8 | 38.0 |
| 1949  | 14.9 | 16.6 | 8.43 | 26.1 | 9.15 | 2.82 | 1.95 | 2.53 | 17.3  | 33.2 | 26.0 | 14.3 |
| 1950  | 3.92 | 1.00 | .45  | .14  | 0    | 0    | .01  | .16  | 78.1  | 101  | 82.0 | 32.2 |
| 1951  | 14.4 | 5.45 | 1.22 | .16  | 0    | 0    | 0    | 0    | .03   | 1.22 | 3.26 | 10.0 |
| 1952  | 10.0 | 14.3 | 33.0 | 18.0 | 5.05 | 1.27 | .12  | .05  | .04   | .65  | 0    | 0    |
| 1953  | .12  | .04  | .10  | .96  | .58  | .43  | .15  | 2.75 | 54.0  | 99.4 | 55.2 | 53.7 |
| 1954  | 88.6 | 50.9 | 14.8 | 5.09 | .81  | .09  | .03  | 0    | 0     | 0    | 0    | 0    |
| 1955  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | -    | -    | -    |

Table 1.--Streamflow, stream stages, and lake stages - continued

33. MAGNESIA SPRINGS NEAR HAWTHORN, FLA.

Location.--About 4 miles west of Hawthorn and 1.2 miles south of Grove Park.

Records.--Measurements of discharge: Dec. 10, 1941, 1.82 cfs; Apr. 16, 1946, 0.65 cfs; Apr. 23, 1956, 0.016 cfs; and Oct. 17, 1960, 1.03 cfs.

34. MAGNOLIA LAKE NEAR KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°49'10", long 82°00'55", in NE¼ sec. 8, T. 8 S., R. 23 E., on southeast shore of lake at Magnolia Lake State Park, and 2.5 miles north of Keystone Heights, Clay County.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1958  | -      | -      | 124.15 | -      | -      | 123.44 | -      | 123.84 | 123.32 | 123.32 | 123.58 | -      |
| 1959  | 123.88 | 123.92 | 124.63 | 124.26 | 125.00 | -      | 124.78 | 125.00 | 125.24 | 124.75 | 124.62 | 124.40 |
| 1960  | 124.28 | -      | -      | -      | 124.29 | 124.48 | 124.70 | 124.76 | 125.21 | 124.85 | 124.64 | 124.51 |

Measurements of outflow

| Date     | Discharge (cfs) | Lake stage (ft., msl) | Date    | Discharge (cfs) | Lake stage (ft., msl) |
|----------|-----------------|-----------------------|---------|-----------------|-----------------------|
| 5-14-58  | 5               | 124.15                | 3-3-60  | 13.7            | 124.40                |
| 4-15-58  | 6.2             | -                     | 4-6-60  | 23.0            | 124.70                |
| 5-13-58  | 4.6             | -                     | 5-27-60 | 7.7             | 124.30                |
| 10-23-58 | 2               | 123.42                | 7-25-60 | 12.3            | 124.49                |
| 2-27-59  | 8.1             | 123.92                | 9-13-60 | 26.4            | 125.24                |

35. NEWMANS LAKE NEAR GAINESVILLE, FLA.

Location.--Lat 29°39'05", long 82°14'25", in W½ sec. 5, T. 10 S., R. 21 E., on west side of lake, 5 miles east of Gainesville.

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1945  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 66.58 | 68.47 |
| 1946  | 68.37 | -     | -     | -     | -     | 68.31 | 69.42 | 69.09 | 68.23 | 68.67 | 67.53 | 66.81 |
| 1947  | 66.27 | 66.43 | 68.33 | 67.90 | 66.41 | 65.76 | 65.65 | 65.71 | 69.15 | 69.86 | 69.08 | 68.12 |
| 1948  | 69.33 | 68.67 | 70.43 | 68.15 | 66.65 | 65.83 | 66.07 | 68.19 | 66.94 | 67.41 | 66.37 | 66.07 |
| 1949  | 65.83 | 66.38 | 65.81 | 67.01 | 65.81 | 65.67 | 65.75 | 68.75 | 68.11 | 67.45 | 66.83 | 66.55 |
| 1950  | 65.85 | 65.37 | 65.53 | 65.19 | 64.63 | 64.43 | 66.63 | 65.86 | 68.19 | 68.73 | 67.33 | 66.75 |
| 1951  | 66.53 | 66.05 | 66.07 | 65.67 | 65.07 | 65.13 | 65.21 | 65.73 | 67.05 | 66.70 | 67.67 | 67.33 |
| 1952  | 66.83 | 68.15 | 67.55 | 66.61 | 66.05 | 65.97 | 65.43 | 65.43 | 65.23 | 65.83 | 65.55 | 65.33 |
| 1957  | -     | -     | -     | -     | -     | -     | 66.47 | 67.31 | 67.39 | 66.61 | 65.87 | 65.45 |
| 1958  | 65.63 | 66.01 | 67.79 | 67.93 | 66.63 | 65.87 | 66.09 | 65.89 | 65.07 | 64.89 | 65.35 | 65.71 |
| 1959  | 66.63 | 66.89 | 69.31 | 67.61 | 68.23 | 67.93 | 67.29 | 66.77 | 67.11 | 67.27 | 66.43 | 65.92 |
| 1960  | 65.53 | 66.01 | 68.49 | 67.12 | 65.85 | 65.79 | 68.03 | 68.05 | 68.83 | 68.39 | 67.03 | 66.09 |

Measurements of outflow

| Date    | Discharge (cfs) | Lake stage (ft., msl) | Date     | Discharge (cfs) | Lake stage (ft., msl) |
|---------|-----------------|-----------------------|----------|-----------------|-----------------------|
| 1-8-47  | 50.6            | 66.75                 | 10-30-47 | 610             | 69.89                 |
| 2-20-47 | 65.5            | 66.40                 | 12-16-47 | 139             | 68.23                 |
| 4-1-47  | 185             | 68.40                 | 1-27-48  | 272             | 69.23                 |
| 5-15-47 | 81.3            | 66.78                 | 3-10-48  | 402             | 69.33                 |
| 6-25-47 | 39.1            | 65.83                 | 3-15-48  | 812             | 70.90                 |
| 8-5-47  | 25.8            | 65.50                 | 4-20-48  | 202             | 68.60                 |
| 9-15-47 | 29.2            | 65.58                 | 4-23-56  | 0.37            | -                     |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 36. NEW RIVER NEAR LAKE BUTLER, FLA.

Location.--Lat 30°00', long 82°17', in sec. 2, T. 6 S., R. 20 E., at bridge on State Highway 100, 4.4 miles southeast of Lake Butler, Union County.

| Monthly mean discharge, in cfs |      |      |       |      |      |      |      |      |       |      |      |      |
|--------------------------------|------|------|-------|------|------|------|------|------|-------|------|------|------|
| Year                           | Jan. | Feb. | Mar.  | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1950                           | 8.73 | 4.28 | 7.82  | 4.04 | 21.6 | 6.10 | 519  | 44.2 | 801   | 899  | 63.8 | 26.5 |
| 1951                           | 25.6 | 31.9 | 55.0  | 33.1 | 4.08 | 2.38 | 3.60 | 11.5 | 15.3  | 20.2 | 114  | 28.5 |
| 1952                           | 23.1 | 235  | 106   | 26.9 | 6.35 | 18.2 | 14.0 | 25.7 | 108   | 85.7 | 8.36 | 4.52 |
| 1953                           | 126  | 48.5 | 63.5  | 566  | 12.6 | 13.6 | 13.0 | 507  | 516   | 570  | 74.2 | 781  |
| 1954                           | 178  | 30.3 | 23.2  | 32.8 | 4.69 | 1.33 | 3.55 | 2.51 | 64.4  | 22.6 | 4.14 | 5.14 |
| 1955                           | 19.7 | 96.9 | 8.80  | 4.88 | 1.16 | .85  | 56.5 | 24.3 | 18.9  | 7.66 | 9.83 | 4.49 |
| 1956                           | 10.2 | 50.1 | 12.7  | 2.52 | 73.1 | 29.3 | 193  | 17.6 | 74.3  | 488  | 45.4 | 8.05 |
| 1957                           | 5.04 | 5.81 | 13.5  | 17.0 | 22.6 | 556  | 42.5 | 161  | 64.2  | 120  | 7.22 | 15.5 |
| 1958                           | 44.9 | 119  | 567   | 280  | 58.1 | 35.1 | 205  | 163  | 12.6  | 4.39 | 16.4 | 84.1 |
| 1959                           | 487  | 242  | 1,491 | 314  | 801  | 266  | 149  | 53.2 | 487   | 232  | 41.6 | 21.4 |
| 1960                           | 24.1 | 213  | 855   | 358  | 15.9 | 82.7 | 508  | 281  | 582   | -    | -    | -    |

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1950  | 85.24 | 85.16 | 85.40 | 85.02 | 85.50 | 85.03 | 90.16 | 85.24 | 89.00 | 90.52 | 85.78 | 86.79 |
| 1951  | 85.66 | 85.49 | 87.18 | 85.91 | 84.72 | 85.17 | 84.99 | 84.67 | 86.74 | 84.87 | 86.50 | 87.16 |
| 1952  | 86.48 | 90.86 | 87.48 | 85.35 | 85.68 | 84.71 | 84.67 | 88.30 | 89.11 | 86.07 | 85.07 | 85.07 |
| 1953  | 87.12 |       | 86.17 | 88.08 | 84.61 | 85.68 | 87.11 | 93.23 | 91.96 | 86.32 | 86.36 | 91.79 |
| 1954  | 86.48 | 85.78 | 85.62 | 86.15 | 84.86 | 84.39 | 84.75 | 85.29 | 88.14 | 85.01 | 84.85 | 85.00 |
| 1955  | 86.08 | 85.76 | 85.42 | 84.55 | 84.84 | 84.54 | 87.44 | 85.10 | 84.95 | 86.20 | 84.92 | 84.86 |
| 1956  | 85.64 | 85.95 | 84.82 | 84.73 | 85.20 | 90.99 | 85.67 | 84.99 | 86.50 | 89.55 | 85.41 | 85.03 |
| 1957  | 84.98 | 85.39 | 85.48 | 84.85 | 86.24 | 86.48 | 86.32 | 87.77 | 86.95 | 85.32 | 85.56 | 85.48 |
| 1958  | 87.27 | 92.19 | 89.41 | 90.08 | 88.13 | 87.34 | 87.72 | 86.56 | 84.79 | 84.92 | 85.13 | 87.43 |
| 1959  | 88.36 | 90.84 | 90.16 | 88.61 | 90.89 | 89.01 | 86.75 | 88.30 | 88.72 | 87.78 | 86.15 | 85.76 |
| 1960  | 87.48 | 91.68 | 90.27 | 86.93 | 84.94 | 87.67 | 91.25 | 89.72 | 92.42 | -     | -     | -     |

## 37. NEW RIVER NEAR RAIFFORD, FLA.

Location.--Lat 30°04'00", long 82°11'03", in NE $\frac{1}{4}$  sec. 15, T. 5 S., R. 21 E., at bridge on State Highway 16, 0.5 mile southeast of Florida State Prison and 3.3 miles east of Raiford, Union County.

| Measurements of flow |                     |                   |         |                     |                   |
|----------------------|---------------------|-------------------|---------|---------------------|-------------------|
| Date                 | Discharge (cfs)     | Gage Height (ft.) | Date    | Discharge (cfs)     | Gage Height (ft.) |
| 7-8-58               | 350                 | 9.64              | 3-18-60 | 2,060               | 14.18             |
| 12-15-58             | 89.4                | 7.88              | 3-18-60 | 2,080 (from rating) | 14.21             |
| 3-17-59              | 2,080 (from rating) | 14.23             |         |                     |                   |
| 1-5-60               | 5.94                | 6.16              | 8-18-60 | 38.8                | 7.23              |
|                      |                     |                   | 9-12-60 | 763                 | 11.46             |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 38. NORTH FORK BLACK CREEK NEAR HIGHLAND, FLA.

Location.--Lat 30°06'48", long 81°59'00", in SE $\frac{1}{4}$  sec. 27, T. 4 S., R. 23 E., at bridge on State Highway 218, 3.9 miles east of Highland.

| Monthly mean discharge, in cfs |      |      |      |      |      |      |      |      |       |      |      |      |
|--------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Year                           | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1957                           | -    | -    | -    | -    | -    | -    | -    | -    | -     | 87.5 | 20.7 | 24.9 |
| 1958                           | 44.3 | 60.0 | 120  | 74.6 | 16.8 | 7.65 | 61.6 | 51.1 | 9.30  | 18.7 | 41.9 | 79.3 |
| 1959                           | 140  | 84.4 | 308  | 116  | 173  | 80.1 | 60.0 | 44.8 | 238   | 69.3 | 25.9 | 20.8 |
| 1960                           | 24.1 | 74.8 | 167  | 113  | 19.3 | 24.2 | 136  | 77.8 | 202   | -    | -    | -    |

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1957  | -     | -     | -     | -     | -     | -     | -     | -     | -     | 57.11 | 57.89 | 57.39 |
| 1958  | 58.21 | 61.08 | 58.66 | 57.81 | 57.16 | 57.40 | 58.31 | 56.92 | 56.42 | 57.12 | 57.27 | 58.64 |
| 1959  | 58.10 | 61.55 | 59.13 | 58.18 | 59.19 | 57.09 | 57.62 | 59.66 | 58.61 | 57.71 | 57.53 | 57.11 |
| 1960  | 58.97 | 59.28 | 59.16 | 57.76 | 56.75 | 58.97 | 60.85 | 57.27 | 61.03 | -     | -     | -     |

## 39. NORTH FORK BLACK CREEK NEAR MIDDLEBURG, FLA.

Location.--Lat 30°06'47", long 81°54'24", in NE $\frac{1}{4}$  sec. 33, T. 4 S., R. 24 E., 0.3 mile upstream from Big Branch, 4 miles northwest of Middleburg.

| Monthly mean discharge, in cfs |      |      |       |      |      |      |      |      |       |       |      |      |
|--------------------------------|------|------|-------|------|------|------|------|------|-------|-------|------|------|
| Year                           | Jan. | Feb. | Mar.  | Apr. | May  | June | July | Aug. | Sept. | Oct.  | Nov. | Dec. |
| 1931                           | -    | -    | -     | -    | -    | -    | -    | -    | -     | 15.0  | 8.7  | 13.7 |
| 1932                           | 13.1 | 14.3 | 50.4  | 23.0 | 16.8 | 220  | 60.4 | 98.1 | 161   | 44.6  | 282  | 59.3 |
| 1933                           | 81.3 | 143  | 185   | 453  | 39.0 | 142  | 599  | 376  | 502   | 58.0  | 37.7 | 31.6 |
| 1934                           | 30.8 | 55.9 | 73.5  | 31.7 | 189  | 681  | 149  | 278  | 75.6  | 85.8  | 15.7 | 22.4 |
| 1935                           | 41.5 | 33.3 | 21.0  | 8.97 | 7.12 | 6.50 | 67.5 | 112  | 71.2  | 64.5  | 18.6 | 29.0 |
| 1936                           | 61.0 | 296  | 161   | 182  | 13.8 | 95.7 | 58.5 | 26.5 | 18.4  | 274   | 32.6 | 70.3 |
| 1937                           | 147  | 357  | 79.5  | 219  | 56.0 | 14.3 | 57.2 | 106  | 229   | 458   | 89.3 | 81.7 |
| 1938                           | 215  | 145  | 47.7  | 14.5 | 7.6  | 12.6 | 71.7 | 208  | 97.0  | 513   | 72.3 | 38.1 |
| 1939                           | 4.0  | 63.5 | 68.3  | 57.4 | 35.0 | 165  | 242  | 416  | 66.3  | 38.9  | 34.9 | 47.9 |
| 1940                           | 108  | 290  | 43.0  | 160  | 12.4 | 39.0 | 187  | 269  | 82.0  | 18.8  | 11.3 | 165  |
| 1941                           | 125  | 173  | 107   | 35.5 | 14.3 | 72.3 | 349  | 56.1 | 99.1  | 460   | 304  | 488  |
| 1942                           | 358  | 401  | 512   | 60.2 | 20.1 | 156  | 308  | 67.1 | 316   | 32.5  | 17.0 | 40.0 |
| 1943                           | 46.1 | 27.6 | 74.7  | 33.8 | 53.7 | 60.5 | 120  | 330  | 155   | 32.3  | 29.5 | 40.2 |
| 1944                           | 117  | 57.0 | 312   | 221  | 70.9 | 72.1 | 266  | 646  | 263   | 690   | 66.2 | 63.4 |
| 1945                           | 312  | 93.3 | 26.4  | 22.8 | 20.7 | 53.9 | 152  | 565  | 399   | 154   | 33.6 | 399  |
| 1946                           | 243  | 84.5 | 83.6  | 55.5 | 252  | 386  | 378  | 370  | 537   | 287   | 64.2 | 32.2 |
| 1947                           | 45.6 | 366  | 500   | 168  | 151  | 97.0 | 155  | 80.2 | 753   | 1,087 | 662  | 306  |
| 1948                           | 336  | 304  | 943   | 566  | 20.9 | 29.5 | 250  | 582  | 175   | 766   | 56.7 | 220  |
| 1949                           | 92.5 | 509  | 54.4  | 175  | 84.6 | 42.6 | 208  | 322  | 568   | 213   | 306  | 76.2 |
| 1950                           | 40.1 | 34.1 | 77.3  | 33.5 | 48.3 | 21.8 | 491  | 27.5 | 709   | 1,028 | 68.9 | 68.0 |
| 1951                           | 64.0 | 71.9 | 67.0  | 52.2 | 14.9 | 14.4 | 22.9 | 89.0 | 63.1  | 58.7  | 112  | 68.6 |
| 1952                           | 47.8 | 199  | 107   | 65.9 | 32.7 | 65.5 | 58.7 | 42.0 | 292   | 114   | 27.7 | 26.9 |
| 1953                           | 163  | 93.6 | 112   | 416  | 21.5 | 28.4 | 97.3 | 666  | 693   | 543   | 121  | 616  |
| 1954                           | 151  | 70.4 | 77.1  | 55.1 | 26.4 | 15.2 | 16.4 | 7.25 | 37.6  | 65.6  | 20.5 | 33.9 |
| 1955                           | 76.4 | 122  | 32.1  | 30.9 | 19.6 | 12.6 | 39.5 | 17.1 | 141   | 116   | 83.9 | 35.5 |
| 1956                           | 80.5 | 138  | 43.2  | 26.8 | 141  | 102  | 185  | 85.8 | 71.8  | 670   | 61.9 | 37.8 |
| 1957                           | 35.6 | 39.1 | 84.0  | 59.6 | 51.6 | 235  | 140  | 44.6 | 212   | 291   | 50.1 | 63.6 |
| 1958                           | 130  | 171  | 405   | 349  | 56.8 | 47.0 | 163  | 242  | 57.0  | 63.6  | 124  | 233  |
| 1959                           | 534  | 252  | 1,310 | 304  | 713  | 263  | 392  | 103  | 690   | 205   | 81.4 | 64.9 |
| 1960                           | 72.2 | 278  | 644   | 346  | 49.2 | 64.9 | 477  | 194  | 788   | -     | -    | -    |



Table 1.--Streamflow, stream stages, and lake stages - continued

## 39. NORTH FORK BLACK CREEK NEAR MIDDLEBURG, FLA. - continued

| Month-end stage, in feet above mean sea level |      |       |      |      |      |      |       |       |       |      |      |       |
|---|------|-------|------|------|------|------|-------|-------|-------|------|------|-------|
| Year  | Jan. | Feb.  | Mar. | Apr. | May  | June | July  | Aug.  | Sept. | Oct. | Nov. | Dec.  |
| 1933  | -    | -     | 1.85 | 4.84 | 2.13 | 2.69 | 3.23  | 2.15  | 1.57  | 2.15 | 1.70 | 1.71  |
| 1934  | 1.63 | 2.57  | 1.94 | 2.53 | 6.76 | 2.51 | 2.78  | 4.10  | 1.55  | 1.43 | 1.61 | 1.56  |
| 1935  | 1.55 | 1.64  | 1.22 | 1.04 | .96  | 1.11 | 4.37  | 7.27  | 5.17  | 1.60 | 1.55 | 1.89  |
| 1936  | 2.82 | 3.08  | 5.35 | 1.43 | 1.37 | 2.05 | 1.57  | 2.12  | 1.16  | 1.93 | 1.43 | 1.80  |
| 1937  | 5.85 | 3.07  | 4.28 | 2.71 | 1.25 | 1.08 | 3.99  | 3.69  | 4.44  | 2.29 | 5.10 | 2.19  |
| 1938  | 2.45 | 2.02  | 2.05 | 1.24 | 1.53 | 1.63 | 4.50  | 2.09  | 4.14  | 3.66 | 1.99 | 2.17  |
| 1939  | 3.10 | 4.49  | 1.77 | 5.73 | 1.73 | 2.27 | 2.74  | 3.39  | 2.78  | 1.69 | 1.78 | 3.02  |
| 1940  | 2.36 | 2.35  | 2.09 | 1.66 | 1.35 | 1.68 | 6.04  | 5.03  | 2.39  | 1.38 | 1.50 | 3.82  |
| 1941  | 2.20 | 2.58  | 1.85 | 1.41 | 1.13 | 3.57 | 3.42  | 2.47  | 1.85  | 7.27 | 2.25 | 6.88  |
| 1942  | 2.32 | 5.10  | 4.04 | 1.63 | 1.46 | 5.14 | 3.30  | 1.94  | 2.76  | 1.55 | 1.55 | 2.74  |
| 1943  | 2.11 | 1.57  | 1.63 | 1.51 | 1.84 | 2.92 | 2.63  | 2.68  | 2.55  | 1.44 | 1.73 | 2.37  |
| 1944  | 1.89 | 1.76  | 4.54 | 2.37 | 1.85 | 1.63 | 3.01  | 5.67  | 2.06  | 3.13 | 2.94 | 2.06  |
| 1945  | 3.40 | 1.97  | 1.49 | 2.41 | 1.20 | 2.25 | 2.32  | 2.34  | 2.59  | 2.09 | 1.68 | 12.00 |
| 1946  | 2.89 | 2.24  | 2.90 | 2.12 | 2.72 | 7.62 | 9.16  | 12.40 | 3.97  | 2.25 | 2.03 | 1.83  |
| 1947  | 4.00 | 3.00  | 3.80 | 1.72 | 5.74 | 4.06 | 3.12  | 1.93  | 4.78  | 5.13 | 3.08 | 2.92  |
| 1948  | 7.76 | 2.94  | 5.19 | 1.86 | 1.50 | 1.68 | 7.58  | 2.08  | 2.77  | 2.27 | 2.95 | 3.64  |
| 1949  | 2.71 | 2.47  | 1.89 | 1.97 | 1.44 | 2.20 | 1.86  | 12.66 | 15.12 | 3.37 | 2.31 | 2.23  |
| 1950  | 1.78 | 1.88  | 2.52 | 1.70 | 1.56 | 1.35 | 2.73  | 1.96  | 11.84 | 3.45 | 2.07 | 3.07  |
| 1951  | 2.04 | 1.84  | 2.24 | 1.74 | 1.42 | 1.49 | 1.83  | 1.65  | 3.02  | 1.84 | 2.16 | 2.73  |
| 1952  | 2.56 | 5.00  | 2.71 | 2.17 | 3.19 | 1.39 | 1.49  | 2.01  | 3.77  | 1.84 | 1.68 | 1.78  |
| 1953  | 2.16 | 1.94  | 1.87 | 2.02 | 1.31 | 1.69 | 3.87  | 11.20 | 9.27  | 2.16 | 2.40 | 6.54  |
| 1954  | 2.25 | 2.44  | 1.86 | 2.33 | 1.73 | 1.43 | 1.30  | 1.56  | 2.69  | 1.50 | 1.57 | 1.78  |
| 1955  | 2.38 | 1.87  | 2.29 | 1.43 | 1.60 | 1.68 | 2.01  | 1.38  | 2.25  | 3.76 | 1.84 | 1.78  |
| 1956  | 2.28 | 1.99  | 1.66 | 1.81 | 1.95 | 8.83 | 2.47  | 1.72  | 2.36  | 3.26 | 1.94 | 1.79  |
| 1957  | 1.76 | 2.25  | 2.26 | 1.64 | 1.83 | 1.68 | 6.40  | 3.52  | 5.50  | 2.01 | 2.39 | 1.99  |
| 1958  | 2.99 | 12.20 | 3.44 | 2.64 | 2.30 | 2.46 | 4.74  | 1.91  | 1.67  | 1.95 | 2.16 | 2.99  |
| 1959  | 2.76 | 9.78  | 3.58 | 2.45 | 3.45 | 2.72 | 2.47  | 4.77  | 2.93  | 2.57 | 2.24 | 2.05  |
| 1960  | 4.14 | 6.17  | 4.99 | 2.40 | 1.61 | 2.96 | 10.27 | 2.27  | 13.87 | -    | -    | -     |

## 40. OLUSTEE CREEK AT PROVIDENCE, FLA.

Location.--Lat 30°00', long 82°34', in sec. 36, T. 5 S., R. 17 E., at bridge on State Highway 238, 1.5 miles west of Providence, Union County.

| Monthly mean discharge, in cfs |      |      |      |      |      |      |      |      |       |      |      |      |
|--------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Year                           | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1957                           | -    | -    | -    | -    | -    | -    | -    | -    | -     | 111  | 3.92 | 16.2 |
| 1958                           | 58.9 | 86.4 | 388  | 376  | 32.4 | 15.4 | 101  | 169  | 15.9  | .79  | 2.62 | 8.14 |
| 1959                           | 185  | 69.4 | 919  | 168  | 772  | 357  | 101  | 29.8 | 162   | 197  | 67.3 | 25.1 |
| 1960                           | 22.6 | 266  | 756  | 115  | 18.8 | 21.0 | 189  | 248  | 176   | -    | -    | -    |

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1957  | -     | -     | -     | -     | -     | -     | -     | -     | -     | 57.19 | 57.03 | 57.72 |
| 1958  | 59.24 | 60.18 | 60.00 | 59.32 | 57.93 | 59.41 | 58.85 | 59.32 | 56.21 | 56.07 | 56.17 | 57.53 |
| 1959  | 58.97 | 59.70 | 60.09 | 59.71 | 60.47 | 59.08 | 58.83 | 57.50 | 59.42 | 59.34 | 58.87 | 58.13 |
| 1960  | 58.57 | 61.02 | 60.07 | 59.50 | 56.60 | 59.11 | 60.45 | 60.19 | 60.28 | -     | -     | -     |

Table 1.--Streamflow, stream stages, and lake stages - continued

42. ORANGE CREEK AT ORANGE SPRINGS, FLA.

Location.--Lat 29°30'34", long 81°56'47", in sec. 25, T. 11 S., R. 23 E., at bridge on State Highway 315, 0.2 mile northwest of Orange Springs.

| Year | Monthly mean discharge, in cfs |      |      |      |      |      |      |      |       |      |      |      |
|------|--------------------------------|------|------|------|------|------|------|------|-------|------|------|------|
|      | Jan.                           | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1942 | -                              | -    | -    | -    | -    | -    | -    | 64.7 | 107   | 44.1 | 24.9 | 44.6 |
| 1943 | 31.2                           | 14.6 | 18.5 | 7.35 | 6.62 | 7.05 | 10.2 | 44.5 | 129   | 19.6 | 12.4 | 13.7 |
| 1944 | 31.5                           | 15.8 | 54.6 | 102  | 40.2 | 27.8 | 45.7 | 68.2 | 45.7  | 116  | 85.5 | 74.2 |
| 1945 | 105                            | 72.7 | 34.3 | 13.5 | 8.77 | 9.10 | 125  | 119  | 175   | 136  | 74.4 | 170  |
| 1946 | 237                            | 191  | 192  | 119  | 179  | 149  | 238  | 613  | 733   | 788  | 556  | 345  |
| 1947 | 198                            | 170  | 299  | 298  | 166  | 103  | 110  | 163  | 278   | 427  | 652  | 536  |
| 1948 | 518                            | 586  | 938  | 755  | 349  | 178  | 197  | 472  | 404   | 598  | 366  | 297  |
| 1949 | 186                            | 208  | 139  | 232  | 116  | 77.6 | 71.1 | 113  | 177   | 228  | 191  | 151  |
| 1950 | 95.0                           | 64.2 | 63.5 | 42.0 | 21.3 | 9.09 | 41.9 | 42.9 | 526   | 612  | 430  | 286  |
| 1951 | 214                            | 161  | 125  | 67.8 | 25.8 | 12.2 | 14.7 | 19.0 | 37.2  | 166  | 207  | 253  |
| 1952 | 198                            | 267  | 344  | 242  | 129  | 88.6 | 60.0 | 57.5 | 56.8  | 75.4 | 31.4 | 23.4 |
| 1955 | -                              | -    | -    | -    | -    | -    | -    | -    | -     | 11.1 | 6.60 | 5.67 |
| 1956 | 6.97                           | 11.9 | 5.72 | 6.45 | 7.04 | 8.11 | 15.1 | 10.9 | 8.06  | 55.4 | 11.4 | 8.00 |
| 1957 | 6.89                           | 7.65 | 14.1 | 14.0 | 22.2 | 36.5 | 22.6 | 97.4 | 82.5  | 32.3 | 12.6 | 14.4 |
| 1958 | 32.8                           | 36.2 | 200  | 270  | 185  | 112  | 81.1 | 59.0 | 33.0  | 37.8 | 51.3 | 48.6 |
| 1959 | 91.4                           | 91.7 | 452  | 744  | 504  | 558  | 627  | 517  | 541   | 403  | 302  | 158  |
| 1960 | 122                            | 137  | 401  | 503  | 303  | 245  | 399  | 599  | 834   | -    | -    | -    |

| Year | Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1942 | -   | -     | -     | -     | -     | -     | 24.63 | 23.23 | 24.31 | 23.05 | 22.76 | 23.89 |
| 1943 | 22.74   | 22.27 | 22.13 | 21.61 | 21.71 | 22.17 | 21.89 | 22.41 | 23.38 | 22.07 | 22.63 | 22.39 |
| 1944 | 22.49   | 22.21 | 25.52 | 23.81 | 22.89 | 22.69 | 23.24 | 23.09 | 22.87 | 24.51 | 24.29 | 24.11 |
| 1945 | 24.41   | 23.71 | 22.53 | 22.67 | 21.53 | 22.99 | 24.22 | 24.81 | 25.11 | 24.49 | 23.77 | 26.71 |
| 1946 | 25.69   | 25.72 | 25.55 | 24.09 | 24.71 | 25.23 | 26.87 | 27.25 | 27.49 | 27.33 | 26.65 | 25.87 |
| 1947 | 25.21   | 25.33 | 25.97 | 25.79 | 25.33 | 24.37 | 24.41 | 25.05 | 26.31 | 26.81 | 27.13 | 26.67 |
| 1948 | 27.31   | 26.79 | 27.87 | 26.95 | 25.91 | 24.85 | 27.01 | 26.41 | 26.83 | 26.55 | 25.11 | 25.83 |
| 1949 | 25.09   | 25.36 | 24.41 | 25.17 | 24.01 | 24.57 | 23.61 | 26.21 | 26.63 | 25.46 | 25.37 | 24.75 |
| 1950 | 24.03   | 23.49 | 23.51 | 22.65 | 22.09 | 22.25 | 23.01 | 23.91 | 26.83 | 27.13 | 26.43 | 26.31 |
| 1951 | 25.21   | 24.63 | 24.49 | 23.17 | 21.93 | 21.99 | 22.03 | 21.97 | 23.53 | 24.13 | 25.59 | 26.07 |
| 1952 | 25.19   | 26.47 | 26.23 | 25.47 | 25.01 | 23.61 | 23.19 | 23.56 | 23.69 | 23.29 | 22.61 | 22.41 |
| 1955 | -   | -     | -     | -     | -     | -     | -     | -     | -     | 21.44 | 21.45 | 21.51 |
| 1956 | 21.83   | 21.67 | 21.39 | 21.81 | 21.29 | 22.00 | 22.67 | 21.66 | 21.74 | 22.61 | 21.78 | 21.60 |
| 1957 | 21.61   | 22.02 | 21.95 | 21.61 | 22.08 | 21.98 | 24.54 | 24.57 | 23.30 | 21.97 | 22.11 | 21.92 |
| 1958 | 23.05   | 24.13 | 25.51 | 25.69 | 24.59 | 24.36 | 24.41 | 22.73 | 22.43 | 22.81 | 22.53 | 23.10 |
| 1959 | 24.08   | 24.97 | 27.16 | 27.14 | 26.52 | 27.05 | 26.97 | 27.02 | 26.60 | 26.31 | 25.71 | 25.01 |
| 1960 | 24.71   | 25.22 | 26.85 | 26.45 | 25.30 | 26.72 | 27.05 | 26.96 | 27.83 | -     | -     | -     |

Table 1.--Streamflow, stream stages, and lake stages - continued

43. ORANGE LAKE AT ORANGE LAKE, FLA.

Location.--Lat 29°25'50", long 82°12'10", in sec. 21 or 28, T. 12 S., R. 21 E., on southwest shore of lake and east side of town of Orange Lake.

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1935  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 58.4  | 57.8  |
| 1936  | 57.8  | 58.8  | 59.0  | 58.4  | 57.8  | -     | 58.0  | 57.7  | 57.6  | 57.8  | 57.6  | 57.6  |
| 1937  | 57.3  | 58.0  | 58.0  | 58.5  | 58.4  | 58.0  | 57.6  | 57.7  | 58.8  | 59.6  | 59.3  | 59.2  |
| 1938  | 59.1  | 59.0  | 58.9  | 58.1  | 57.6  | 57.5  | 57.7  | -     | 57.7  | 58.3  | 58.9  | 58.7  |
| 1939  | 58.5  | 58.3  | 58.1  | 57.8  | 57.9  | 57.7  | 59.6  | 60.0  | 59.7  | 59.3  | 58.6  | 58.3  |
| 1940  | 58.1  | 58.0  | 58.1  | 58.0  | 58.2  | 58.1  | 58.0  | 58.2  | 58.2  | 57.9  | 57.3  | 56.8  |
| 1941  | 58.7  | 58.2  | 58.4  | 58.9  | 58.6  | 57.8  | 58.5  | 58.7  | 58.4  | 58.2  | 61.5  | 60.5  |
| 1942  | 60.1  | 59.4  | 59.9  | 60.1  | 59.4  | 58.8  | 58.21 | 57.97 | 58.00 | 57.65 | 57.33 | 57.41 |
| 1943  | 57.22 | 56.87 | 56.68 | 56.23 | 56.05 | 55.57 | 55.37 | 55.63 | 56.02 | 56.05 | 55.82 | 55.68 |
| 1944  | 55.74 | 55.65 | 56.15 | 57.49 | 57.33 | 57.26 | 57.41 | 57.55 | 57.55 | 58.19 | 58.29 | 58.08 |
| 1945  | 58.13 | 57.95 | 57.48 | 57.11 | 56.45 | 56.76 | 57.22 | 58.63 | 58.83 | 58.51 | 58.15 | 58.81 |
| 1946  | 59.15 | 59.01 | 58.95 | 58.51 | 58.71 | 59.05 | 59.95 | 60.53 | 60.51 | 60.31 | 59.57 | 58.91 |
| 1947  | 58.48 | 58.37 | 59.11 | 59.06 | 58.70 | 58.26 | 58.23 | 58.49 | 59.37 | 60.09 | 60.23 | 59.72 |
| 1948  | 60.23 | 60.02 | 60.91 | 59.96 | 59.16 | 58.74 | 58.93 | 59.51 | 59.42 | 59.44 | 59.04 | 58.84 |
| 1949  | 58.47 | 58.68 | 58.35 | 58.82 | 58.42 | 58.34 | 58.21 | 58.32 | 58.90 | 58.98 | 58.78 | 58.44 |
| 1950  | 58.05 | 57.58 | 57.44 | 57.15 | 56.96 | 56.78 | 57.53 | 57.41 | 59.27 | 59.47 | 58.66 | 58.32 |
| 1951  | 57.93 | 57.56 | 57.38 | 56.99 | 56.50 | 56.45 | 56.40 | 56.56 | 57.26 | 57.83 | 58.23 | 58.37 |
| 1952  | 58.03 | 58.76 | 58.75 | 58.49 | 58.07 | 57.76 | 57.27 | 57.21 | 57.01 | 56.85 | 56.67 | 56.49 |
| 1953  | 56.66 | 56.64 | 56.69 | 57.83 | 57.42 | 57.56 | 57.34 | 58.29 | 59.32 | 59.22 | 58.77 | 59.41 |
| 1954  | 59.16 | 58.61 | 58.27 | 58.09 | 57.62 | 57.13 | 57.00 | 56.49 | 56.37 | 56.16 | 55.93 | 55.86 |
| 1955  | 55.82 | 55.86 | 55.61 | 55.14 | 54.70 | 54.74 | 54.22 | 54.39 | 53.98 | 53.56 | 53.27 | 52.76 |
| 1956  | 52.62 | 52.13 | 51.28 | 51.26 | 50.74 | 50.48 | 50.50 | 51.04 | 51.20 | 52.11 | 52.08 | 51.81 |
| 1957  | 51.71 | 51.36 | 51.16 | 50.88 | 50.74 | 51.12 | 51.58 | 53.16 | 54.80 | 55.75 | 55.93 | 55.96 |
| 1958  | 56.19 | 56.36 | 57.80 | 57.99 | 57.58 | 57.37 | 57.32 | 57.36 | 56.98 | 57.05 | 57.08 | 57.25 |
| 1959  | 57.75 | 57.91 | 60.11 | 59.63 | 50.09 | 59.35 | 59.08 | 58.39 | 58.33 | 58.14 | 57.81 | 57.60 |
| 1960  | 57.42 | 57.52 | 59.18 | 58.86 | 58.11 | 58.81 | 59.28 | 59.63 | 60.08 | -     | -     | -     |

Monthly mean outflow at U. S. 301, in cfs

|      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1946 | -    | -    | -    | -    | -    | -    | -    | -    | -    | 423  | 276  | 187  |
| 1947 | 125  | 97.0 | 139  | 173  | 111  | 68.9 | 53.3 | 60.8 | 96.3 | 236  | 369  | 275  |
| 1948 | 240  | 327  | 539  | 470  | 208  | 116  | 85.6 | 182  | 217  | 306  | 212  | 173  |
| 1949 | 129  | 131  | 104  | 113  | 89.2 | 43.6 | 43.0 | 38.8 | 102  | 128  | 114  | 108  |
| 1950 | 76.2 | 51.6 | 42.6 | 32.3 | 15.2 | 4.06 | 17.8 | 26.9 | 284  | 348  | 308  | 190  |
| 1951 | 147  | 104  | 70.4 | 49.5 | 20.4 | 5.45 | 5.86 | 4.40 | 10.9 | 70.2 | 96.7 | 151  |
| 1952 | 125  | 133  | 227  | 172  | 95.4 | 63.5 | 38.5 | 28.8 | 26.5 | 21.4 | 16.2 | 10.4 |
| 1953 | 12.3 | 13.7 | 11.2 | 41.3 | 65.8 | 45.2 | 39.9 | 56.2 | 258  | 418  | 302  | 297  |
| 1954 | 398  | 281  | 174  | 118  | 55.9 | 32.1 | 20.7 | 14.1 | 8.58 | 7.19 | 3.76 | 2.70 |
| 1955 | 1.84 | 2.29 | 1.42 | .42  | .02  | 0    | 0    | 0    | 0    | -    | -    | -    |

44. ORTEGA CREEK NEAR JACKSONVILLE, FLA.

Location.--Lat 30°14'50", long 81°47'49", on line between secs. 10 and 15, T. 3 S., R. 25 E., at bridge on Jacksonville Heights Road, 1½ miles west of Jacksonville Heights, and 5 miles southwest of city limits of Jacksonville.

Measurements of flow

| Date     | Discharge (cfs) | Gage Height (ft.) | Date    | Discharge (cfs) | Gage Height (ft.) |
|----------|-----------------|-------------------|---------|-----------------|-------------------|
| 4-19-56  | 1.09            | 6.02              | 3-19-59 | 297             | 12.24             |
| 9-10-58  | 2.66            | 6.18              | 3-21-59 | 491             | 13.02             |
| 12-19-58 | 20.2            | 7.33              | 8-17-60 | 23.4            | 7.63              |

Table 1.--Streamflow, stream stages, and lake stages - continued

45. PEBBLE LAKE NEAR KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°49'31", long 81°57'10", in SE¼ sec. 1, T. 8 S., R. 23 E., on east shore of lake in Cold Head Branch State Park, 5½ miles northeast of Keystone Heights.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1945  | -      | -      | -      | -      | -      | -      | 103.82 | 103.58 | 103.88 | 103.94 | 103.84 | 104.60 |
| 1946  | 104.90 | 105.32 | 105.20 | 105.02 | 105.86 | 106.86 | 107.81 | -      | -      | -      | 111.15 | 110.96 |
| 1947  | 110.98 | 110.58 | 110.54 | 110.42 | 110.02 | 109.60 | 108.96 | 108.86 | 108.96 | 109.76 | 111.46 | 112.56 |
| 1948  | 113.16 | 113.46 | 113.76 | 115.40 | 115.16 | 115.06 | 114.16 | 114.16 | -      | 114.66 | 114.36 | 113.96 |
| 1949  | 113.46 | 113.06 | 112.46 | 112.46 | 111.16 | 111.56 | 109.76 | 109.26 | 108.11 | 107.92 | 107.46 | 107.01 |
| 1950  | 106.56 | 105.46 | 104.51 | 104.56 | 104.16 | 102.16 | 101.86 | 101.26 | -      | -      | 104.68 | 105.24 |
| 1951  | 105.71 | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 1952  | -      | -      | -      | -      | -      | -      | 95.84  | 96.84  | 98.24  | 98.31  | -      | 98.76  |
| 1953  | 98.76  | 98.36  | 98.36  | 98.86  | 98.96  | 98.64  | 100.06 | 101.16 | -      | -      | -      | -      |
| 1954  | -      | -      | -      | -      | -      | -      | -      | -      | -      | 100.92 | 100.56 | 99.08  |
| 1955  | -      | 98.00  | 96.64  | 95.60  | 94.62  | 93.44  | 93.00  | 92.12  | 91.36  | 90.60  | 90.04  | 89.24  |
| 1956  | 88.78  | 88.58  | 87.76  | 87.24  | 86.54  | 86.48  | 86.07  | 85.72  | 85.61  | 85.82  | 85.44  | 85.16  |
| 1957  | 84.91  | 84.71  | 84.64  | 84.24  | 84.92  | 85.36  | 86.16  | 86.86  | 87.84  | 89.18  | 91.15  | 92.50  |
| 1958  | 93.16  | 93.18  | 94.16  | 94.77  | 95.30  | 95.62  | 95.53  | 95.42  | 94.64  | 94.04  | 93.54  | 93.02  |
| 1959  | 92.66  | 92.38  | 93.28  | 95.92  | 98.42  | 99.62  | 100.88 | 102.73 | 103.58 | 106.66 | 106.94 | 107.02 |
| 1960  | 106.74 | 106.53 | 106.78 | 107.00 | -      | 106.94 | -      | 107.26 | -      | 109.76 | 110.04 | 109.90 |

47. POE SPRINGS NEAR HIGH SPRINGS, FLA.

Location.--About 3.7 miles west of High Springs on south bank of the Santa Fe River.

| Date    | Discharge (cfs) | Date     | Discharge (cfs) |
|---------|-----------------|----------|-----------------|
| 2-19-17 | 86.5            | 12-13-41 | 84.0            |
| 1-31-29 | 75.1            | 7-22-46  | 75.3            |
| 3-14-32 | 31.2            | 5- 2-56  | 39.2            |
|         |                 | 10-17-60 | 91.7            |

50. SAND HILL LAKE NEAR KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°51'01", long 82°01'10", on line between secs. 29 and 32, T. 7 S., R. 23 E., on west shore of lake, 3.5 miles north of Keystone Heights.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1957  | -      | -      | -      | -      | -      | -      | 131.32 | 131.26 | 131.62 | 131.52 | 131.48 | 131.32 |
| 1958  | 131.42 | 131.42 | 131.80 | 131.88 | 131.63 | 131.58 | 131.57 | 131.47 | 131.31 | 131.25 | 131.35 | 131.41 |
| 1959  | 131.63 | 131.71 | 132.24 | 131.94 | 132.37 | 132.13 | 132.11 | 132.04 | 132.36 | 132.22 | 131.86 | 131.66 |
| 1960  | 131.52 | 131.72 | 132.06 | 131.98 | 131.68 | 131.74 | 131.86 | 132.02 | 132.30 | -      | -      | -      |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 51. SANTA FE LAKE NEAR KEYSTONE HEIGHTS, FLA.

Location.--Lat 29°45'38", long 82°04'30", in NW¼ sec. 35, T. 8 S., R. 22 E., on north shore of lake 3.1 miles southwest of Keystone Heights.

| Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year  | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1957  | -      | -      | -      | -      | -      | -      | 138.84 | 139.01 | 139.20 | 139.12 | 139.02 | 138.91 |
| 1958  | 139.02 | 139.18 | 140.02 | 140.46 | 140.30 | 140.12 | 140.32 | 140.44 | 140.30 | 140.08 | 140.34 | 140.51 |
| 1959  | 141.03 | 141.26 | 142.54 | 141.98 | 141.98 | 141.74 | 141.64 | 141.50 | 141.82 | 141.40 | 140.86 | 140.60 |
| 1960  | 140.46 | 140.58 | 141.48 | 141.21 | 140.58 | 140.89 | 141.82 | 141.68 | 142.12 | 141.74 | 141.32 | 140.89 |

## 52. SANTA FE RIVER NEAR FORT WHITE, FLA.

Location.--Lat 29°51', long 82°43', in sec. 28, T. 7 S., R. 16 E., 2 miles upstream from bridge on State Highway 47, 5 miles south of Fort White and 15 miles upstream from mouth.

| Monthly mean discharge, in cfs |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year                           | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1927                           | -     | -     | -     | -     | -     | -     | -     | -     | -     | 1,130 | 1,000 | 970   |
| 1928                           | 963   | 905   | 995   | 1,900 | 2,980 | 1,550 | 2,310 | 3,550 | 3,960 | 4,190 | 2,260 | 1,610 |
| 1929                           | 2,090 | 1,840 | 2,270 | 2,030 | 1,490 | 1,390 | 1,700 | 2,490 | 2,680 | 3,650 | 1,970 | 1,580 |
| 1930                           | 1,650 | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| 1932                           | -     | -     | -     | -     | -     | 794   | 785   | 972   | 1,380 | 1,080 | 940   | 926   |
| 1933                           | 846   | 960   | 1,090 | 2,200 | 1,350 | 1,030 | 1,040 | 1,230 | 1,920 | 1,220 | 1,020 | 939   |
| 1934                           | 888   | 858   | 877   | 848   | 922   | 3,820 | 2,270 | 2,270 | 1,760 | 1,327 | 1,121 | 997   |
| 1935                           | 943   | 872   | 785   | 773   | 762   | 731   | 811   | 1,333 | 4,421 | 2,418 | 1,580 | 1,371 |
| 1936                           | 1,250 | 1,752 | 1,750 | 1,604 | 1,169 | 1,094 | 1,142 | 1,179 | 1,094 | 1,358 | 1,185 | 1,080 |
| 1937                           | 1,075 | 2,010 | 1,935 | 2,359 | 1,637 | 1,275 | 1,217 | 1,486 | 2,478 | 2,920 | 1,558 | 1,410 |
| 1938                           | 1,634 | 1,677 | 1,275 | 1,097 | 1,007 | 1,000 | 1,166 | 1,674 | 1,298 | 1,600 | 2,050 | 1,324 |
| 1939                           | 1,172 | 1,096 | 1,098 | 938   | 921   | 1,174 | 1,809 | 2,110 | 1,616 | 1,320 | 1,153 | 1,080 |
| 1940                           | 1,075 | 1,353 | 1,338 | 1,292 | 1,051 | 986   | 1,263 | 1,687 | 1,356 | 1,026 | 918   | 914   |
| 1941                           | 1,118 | 1,262 | 1,293 | 1,170 | 1,019 | 1,045 | 2,029 | 1,903 | 1,436 | 2,586 | 3,298 | 2,767 |
| 1942                           | 3,415 | 2,625 | 4,369 | 2,758 | 1,885 | 1,701 | 1,794 | 1,834 | 1,792 | 1,552 | 1,338 | 1,238 |
| 1943                           | 1,147 | 1,074 | 1,075 | 988   | 959   | 947   | 962   | 1,354 | 1,151 | 948   | 866   | 827   |
| 1944                           | 836   | 828   | 990   | 2,373 | 1,339 | 938   | 1,182 | 2,727 | 2,057 | 3,167 | 2,283 | 1,438 |
| 1945                           | 1,892 | 1,566 | 1,255 | 1,092 | 1,010 | 943   | 1,097 | 2,178 | 2,014 | 1,329 | 1,095 | 1,202 |
| 1946                           | 1,984 | 1,451 | 1,187 | 1,110 | 1,778 | 2,020 | 2,433 | 3,146 | 2,663 | 2,495 | 1,713 | 1,370 |
| 1947                           | 1,210 | 1,466 | 2,226 | 1,928 | 1,339 | 1,367 | 1,192 | 1,188 | 2,047 | 3,906 | 3,840 | 2,680 |
| 1948                           | 2,452 | 2,832 | 5,345 | 4,668 | 2,582 | 1,892 | 1,705 | 3,087 | 2,347 | 3,282 | 2,036 | 1,917 |
| 1949                           | 1,773 | 2,481 | 1,790 | 1,777 | 1,580 | 1,486 | 1,603 | 1,746 | 3,438 | 2,052 | 1,924 | 1,674 |
| 1950                           | 1,431 | 1,284 | 1,226 | 1,150 | 1,102 | 1,053 | 1,433 | 1,288 | 3,387 | 3,385 | 2,637 | 1,722 |
| 1951                           | 1,492 | 1,346 | 1,290 | 1,287 | 1,152 | 1,083 | 1,066 | 1,137 | 1,135 | 1,145 | 1,266 | 1,216 |
| 1952                           | 1,139 | 1,390 | 1,603 | 1,233 | 1,042 | 996   | 928   | 927   | 1,019 | 1,109 | 963   | 914   |
| 1953                           | 1,028 | 992   | 989   | 1,859 | 1,321 | 1,106 | 1,087 | 1,636 | 3,094 | 3,089 | 1,861 | 2,654 |
| 1954                           | 3,046 | 1,835 | 1,526 | 1,368 | 1,246 | 1,120 | 1,090 | 1,057 | 1,080 | 1,080 | 925   | 892   |
| 1955                           | 885   | 1,095 | 970   | 909   | 874   | 836   | 882   | 816   | 756   | 730   | 712   | 679   |
| 1956                           | 678   | 691   | 673   | 671   | 738   | 679   | 838   | 811   | 780   | 1,202 | 1,115 | 813   |
| 1957                           | 728   | 703   | 670   | 684   | 636   | 2,090 | 1,370 | 1,697 | 1,256 | 1,632 | 1,149 | 1,050 |
| 1958                           | 1,051 | 1,127 | 2,075 | 2,163 | 1,673 | 1,257 | 1,689 | 1,538 | 1,284 | 1,104 | 1,110 | 1,158 |
| 1959                           | 1,833 | 1,789 | 4,238 | 3,515 | 3,409 | 4,063 | 2,625 | 2,031 | 2,211 | 2,593 | 2,031 | 1,653 |
| 1960                           | 1,511 | 1,658 | 3,409 | 2,822 | 1,963 | 1,660 | 2,259 | 2,895 | 2,764 | -     | -     | -     |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 52. SANTA FE RIVER NEAR FORT WHITH, FLA. - continued

| Year | Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |
|------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1957 | -   | -     | -     | -     | -     | 21.68 | 21.59 | 22.31 | 22.72 | 21.71 | 21.78 | 21.60 |
| 1955 | 21.60   | 22.44 | 22.55 | 23.28 | 22.02 | 21.83 | 22.14 | 22.17 | 22.41 | 21.96 | 21.77 | 21.71 |
| 1954 | 21.65   | 21.61 | 21.53 | 21.62 | 22.02 | 25.41 | 22.87 | 22.76 | 22.21 | 21.98 | 21.63 | 21.71 |
| 1953 | 21.65   | 21.60 | 21.57 | 21.54 | 21.48 | 21.45 | 21.78 | 23.73 | 26.58 | 22.85 | 22.25 | 22.04 |
| 1952 | 21.99   | 23.29 | 22.46 | 22.21 | 21.97 | 21.91 | 22.20 | 21.99 | 21.89 | 22.39 | 21.90 | 21.94 |
| 1951 | 22.47   | 24.84 | 22.60 | 23.25 | 22.19 | 22.06 | 22.28 | 22.45 | 23.53 | 22.77 | 22.35 | 22.15 |
| 1950 | 22.54   | 22.23 | 21.77 | 21.81 | 21.75 | 22.00 | 22.10 | 22.21 | 21.94 | 26.04 | 22.30 | 22.01 |
| 1949 | 21.90   | 21.66 | 21.79 | 21.74 | 21.68 | 22.40 | 22.53 | 22.86 | 22.26 | 21.99 | 21.89 | 21.86 |
| 1948 | 21.68   | 22.64 | 21.97 | 21.99 | 21.79 | 21.80 | 22.35 | 22.83 | 21.88 | 21.67 | 21.57 | 21.82 |
| 1947 | 21.91   | 21.98 | 21.95 | 21.82 | 21.75 | 22.73 | 24.41 | 22.38 | 22.12 | 26.07 | 23.36 | 24.92 |
| 1946 | 23.28   | 27.27 | 26.80 | 23.16 | 22.54 | 22.51 | 22.91 | 22.58 | 22.47 | 22.18 | 22.02 | 21.93 |
| 1945 | 21.87   | 21.80 | 21.80 | 21.70 | 21.77 | 21.73 | 21.76 | 22.22 | 21.86 | 21.64 | 21.58 | 21.54 |
| 1944 | 21.57   | 21.55 | 22.67 | 22.97 | 21.80 | 21.66 | 23.05 | 24.13 | 22.50 | 26.05 | 22.49 | 22.12 |
| 1943 | 22.64   | 22.21 | 21.94 | 21.82 | 21.74 | 21.72 | 22.19 | 25.29 | 22.55 | 21.96 | 21.74 | 23.37 |
| 1942 | 23.03   | 22.12 | 22.04 | 21.89 | 22.62 | 23.13 | 24.09 | 24.65 | 23.78 | 22.87 | 22.30 | 22.03 |
| 1941 | 21.94   | 22.26 | 23.56 | 22.60 | 22.19 | 21.94 | 21.95 | 21.85 | 28.90 | 27.71 | 27.79 | 27.34 |
| 1940 | 23.32   | 23.72 | 29.21 | 27.93 | 23.09 | 22.56 | 22.91 | 23.90 | 22.95 | 23.33 | 22.69 | 23.00 |
| 1939 | 22.52   | 23.37 | 22.49 | 22.56 | 22.28 | 22.36 | 22.43 | 24.43 | 22.43 | 22.66 | 22.86 | 22.33 |
| 1938 | 22.13   | 21.99 | 21.94 | 21.86 | 21.84 | 21.73 | 22.60 | 21.87 | 23.27 | 26.65 | 22.77 | 22.38 |
| 1937 | 22.18   | 22.06 | 22.11 | 22.00 | 21.84 | 21.82 | 21.83 | 21.89 | 22.06 | 21.73 | 22.20 | 21.99 |
| 1936 | 21.80   | 23.04 | 22.33 | 22.08 | 22.06 | 22.06 | 21.94 | 21.92 | 22.12 | 21.94 | 21.73 | 21.71 |
| 1935 | 21.89   | 21.78 | 21.79 | 23.22 | 21.95 | 22.14 | 22.08 | 23.35 | 24.01 | 22.98 | 22.44 | 26.71 |
| 1934 | 23.30   | 22.46 | 22.26 | 22.13 | 21.98 | 21.90 | 21.88 | 21.86 | 22.01 | 21.72 | 21.65 | 21.62 |
| 1933 | 21.69   | 21.90 | 21.68 | 21.63 | 21.62 | 21.61 | 21.73 | 21.53 | 21.55 | 21.44 | 21.39 | 21.36 |
| 1932 | 21.36   | 21.42 | 21.35 | 21.35 | 21.45 | 21.49 | 21.70 | 21.60 | 21.67 | 22.54 | 21.61 | 21.43 |
| 1931 | 21.35   | 21.35 | 21.35 | 21.39 | 21.45 | 22.52 | 22.13 | 22.20 | 22.07 | 22.08 | 21.90 | 21.78 |
| 1930 | 21.92   | 22.12 | 23.50 | 24.53 | 22.32 | 22.28 | 22.45 | 22.47 | 21.98 | 21.86 | 21.84 | 22.01 |
| 1929 | 22.47   | 22.53 | 29.64 | 24.68 | 28.10 | 24.06 | 23.37 | 22.66 | 23.68 | 23.51 | 22.63 | 22.36 |
| 1928 | 22.24   | 23.34 | 25.76 | 23.98 | 22.51 | 22.64 | 24.30 | 24.03 | 23.74 | -     | -     | -     |

## 53. SANTA FE RIVER NEAR GRAHAM, FLA.

Location.--Lat 29°50'46", long 82°13'11", in NE<sup>1</sup>/<sub>4</sub> sec. 32, T. 7 S., R. 21 E., at bridge on State Highway 225, and 1 mile south of Graham, Bradford, County.

| Year | Monthly mean discharge, in cfs |      |      |      |      |      |      |      |       |      |      |      |
|------|--------------------------------|------|------|------|------|------|------|------|-------|------|------|------|
|      | Jan.                           | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1957 | -                              | -    | -    | -    | -    | -    | -    | -    | 25.7  | 43.4 | 3.77 | 4.58 |
| 1958 | 12.0                           | 29.3 | 160  | 81.8 | 26.1 | 6.58 | 78.7 | 49.8 | 21.3  | 7.44 | 37.1 | 46.3 |
| 1959 | 108                            | 49.2 | 387  | 147  | 254  | 180  | 103  | 58.6 | 194   | 181  | 61.0 | 27.4 |
| 1960 | 20.2                           | 45.6 | 229  | 88.4 | 30.7 | 32.1 | 271  | 236  | 226   | -    | -    | -    |

| Year | Month-end stage, in feet above mean sea level |        |        |        |        |        |        |        |        |        |        |        |
|------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|      | Jan.  | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| 1957 | -   | -      | -      | -      | -      | -      | -      | 108.45 | 109.24 | 108.02 | 108.14 | 107.97 |
| 1958 | 108.79  | 112.17 | 109.88 | 110.32 | 109.13 | 108.26 | 108.44 | 108.66 | 108.02 | 108.04 | 108.25 | 109.16 |
| 1959 | 109.09  | 110.69 | 112.14 | 110.27 | 112.90 | 112.37 | 109.96 | 109.40 | 111.09 | 110.48 | 109.11 | 108.61 |
| 1960 | 108.85  | 111.35 | 110.91 | 109.47 | 108.14 | 110.00 | 114.43 | 111.13 | 115.02 | -      | -      | -      |

Table 1.--Streamflow, stream stages, and lake stages - continued

## 55. SANTA FE RIVER NEAR HIGH SPRINGS, FLA.

Location.--Lat 29°51', long 82°38', in sec. 29, T. 7 S., R. 17 E., at bridge on U. S. Highway 27, 2 miles northwest of High Springs, Alachua County.

| Monthly mean discharge, in cfs |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year                           | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1931                           | 1,170 | 967   | 1,010 | 1,120 | 740   | 516   | 398   | 446   | 332   | 260   | 246   | 214   |
| 1932                           | 155   | 130   | 120   | 124   | 98.2  | 143   | 179   | 320   | 686   | 386   | 275   | 207   |
| 1933                           | 166   | 303   | 456   | 1,600 | 608   | 322   | 313   | 487   | 1,400 | 517   | 327   | 244   |
| 1934                           | 195   | 184   | 210   | 171   | 228   | 3,340 | 1,530 | 1,450 | 896   | 542   | 316   | 235   |
| 1935                           | 234   | 221   | 196   | 148   | 107   | 87.0  | 169   | 722   | 3,745 | 1,544 | 745   | 527   |
| 1936                           | 468   | 1,084 | 1,067 | 1,003 | 539   | 430   | 453   | 437   | 302   | 611   | 427   | 354   |
| 1937                           | 352   | 1,416 | 1,136 | 1,510 | 738   | 467   | 398   | 686   | 1,789 | 2,223 | 760   | 615   |
| 1938                           | 819   | 902   | 490   | 353   | 270   | 246   | 342   | 940   | 530   | 1,027 | 1,293 | 548   |
| 1939                           | 395   | 351   | 378   | 247   | 231   | 446   | 1,061 | 1,380 | 794   | 475   | 328   | 279   |
| 1940                           | 295   | 613   | 552   | 529   | 312   | 261   | 616   | 1,101 | 682   | 294   | 211   | 217   |
| 1941                           | 440   | 601   | 624   | 427   | 280   | 324   | 1,360 | 1,113 | 665   | 1,944 | 2,318 | 1,886 |
| 1942                           | 2,480 | 1,738 | 3,427 | 1,715 | 960   | 824   | 1,011 | 1,093 | 1,027 | 750   | 512   | 425   |
| 1943                           | 378   | 328   | 318   | 269   | 241   | 233   | 249   | 696   | 488   | 250   | 160   | 138   |
| 1944                           | 140   | 144   | 312   | 1,272 | 444   | 239   | 556   | 2,168 | 1,352 | 2,480 | 1,351 | 643   |
| 1945                           | 1,145 | 826   | 495   | 316   | 235   | 185   | 362   | 1,421 | 1,181 | 562   | 323   | 451   |
| 1946                           | 1,239 | 689   | 433   | 373   | 1,076 | 1,351 | 1,743 | 2,339 | 1,831 | 1,641 | 858   | 567   |
| 1947                           | 420   | 686   | 1,517 | 1,211 | 576   | 587   | 430   | 438   | 1,495 | 3,125 | 2,947 | 1,787 |
| 1948                           | 1,448 | 1,903 | 4,188 | 3,540 | 1,390 | 966   | 831   | 2,243 | 1,371 | 2,524 | 1,085 | 1,089 |
| 1949                           | 997   | 1,746 | 954   | 967   | 703   | 605   | 745   | 902   | 2,573 | 1,124 | 1,083 | 867   |
| 1950                           | 599   | 476   | 430   | 367   | 321   | 285   | 694   | 542   | 2,638 | 2,533 | 1,616 | 785   |
| 1951                           | 605   | 519   | 510   | 520   | 365   | 275   | 257   | 360   | 377   | 471   | 589   | 421   |
| 1952                           | 350   | 662   | 806   | 510   | 321   | 336   | 290   | 235   | 269   | 338   | 230   | 193   |
| 1953                           | 306   | 273   | 275   | 1,112 | 545   | 339   | 358   | 949   | 2,094 | 2,037 | 902   | 1,803 |
| 1954                           | 1,898 | 862   | 627   | 519   | 385   | 293   | 248   | 223   | 265   | 314   | 193   | 151   |
| 1955                           | 150   | 391   | 219   | 154   | 118   | 112   | 150   | 163   | 102   | 79.4  | 85.4  | 61.2  |
| 1956                           | 52.8  | 68.1  | 57.1  | 38.9  | 72.5  | 63.6  | 184   | 110   | 105   | 520   | 425   | 152   |
| 1957                           | 94.5  | 71.5  | 69.6  | 100   | 81.8  | 1,325 | 579   | 1,012 | 542   | 814   | 386   | 326   |
| 1958                           | 348   | 434   | 1,527 | 1,430 | 960   | 629   | 1,042 | 872   | 532   | 324   | 339   | 360   |
| 1959                           | 1,133 | 1,065 | 3,546 | 2,264 | 2,578 | 2,835 | 1,641 | 1,143 | 1,418 | 1,789 | 1,160 | 817   |
| 1960                           | 690   | 843   | 2,500 | 1,883 | 999   | 784   | 1,409 | 1,989 | 1,855 | -     | -     | -     |

## Month-end stage, in feet above mean sea level

|      |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1931 | 29.58 | 29.04 | 28.84 | 28.77 | 28.63 | 28.08 | 27.74 | 28.00 | 27.70 | 27.52 | 27.46 | 27.34 |
| 1932 | 27.21 | 27.15 | 27.17 | 26.98 | 26.86 | 27.26 | 27.09 | 28.57 | 28.63 | 27.44 | 27.72 | 27.30 |
| 1933 | 27.34 | 27.69 | 28.83 | 29.48 | 27.96 | 27.65 | 28.20 | 28.34 | 28.74 | 28.01 | 27.65 | 27.48 |
| 1934 | 27.50 | 27.29 | 27.29 | 27.19 | 28.07 | 32.34 | 29.48 | 29.30 | 28.44 | 28.00 | 27.64 | 27.42 |
| 1935 | 27.26 | 27.18 | 27.11 | 26.99 | 26.93 | 26.87 | 27.58 | 30.79 | 33.28 | 29.25 | 28.44 | 28.13 |
| 1936 | 28.06 | 29.97 | 28.90 | 28.53 | 28.08 | 28.03 | 28.55 | 28.23 | 28.09 | 28.93 | 28.07 | 28.17 |
| 1937 | 29.41 | 32.29 | 29.21 | 29.35 | 28.52 | 28.29 | 28.70 | 29.04 | 30.53 | 29.40 | 28.84 | 28.46 |
| 1938 | 28.79 | 28.53 | 28.10 | 27.84 | 27.70 | 28.04 | 28.31 | 28.53 | 28.04 | 33.74 | 27.70 | 28.06 |
| 1939 | 27.82 | 27.91 | 27.86 | 27.81 | 27.72 | 28.98 | 29.08 | 29.53 | 28.46 | 27.98 | 27.80 | 27.81 |
| 1940 | 27.90 | 29.29 | 28.11 | 28.28 | 27.85 | 27.89 | 29.04 | 29.91 | 28.12 | 27.52 | 27.31 | 27.93 |
| 1941 | 28.07 | 28.18 | 28.14 | 27.88 | 27.69 | 29.75 | 31.96 | 28.84 | 28.34 | 33.54 | 30.12 | 32.59 |
| 1942 | 30.10 | 33.80 | 32.54 | 29.58 | 28.94 | 29.09 | 30.00 | 29.41 | 29.17 | 28.49 | 28.11 | 27.95 |
| 1943 | 27.84 | 27.63 | 27.65 | 27.56 | 27.71 | 27.66 | 27.85 | 28.74 | 28.00 | 27.45 | 27.26 | 27.18 |
| 1944 | 27.23 | 27.26 | 29.07 | 28.94 | 27.78 | 27.66 | 30.17 | 31.26 | 28.96 | 32.90 | 28.82 | 28.28 |
| 1945 | 29.22 | 28.53 | 28.00 | 27.79 | 27.62 | 27.60 | 28.34 | 31.53 | 28.94 | 28.03 | 27.59 | 30.79 |
| 1946 | 29.65 | 28.27 | 28.10 | 27.92 | 29.36 | 30.41 | 30.33 | 31.48 | 30.57 | 29.42 | 28.46 | 27.95 |
| 1947 | 26.76 | 28.39 | 30.05 | 28.63 | 28.30 | 27.80 | 27.86 | 27.70 | 37.29 | 34.53 | 31.60 | 31.24 |
| 1948 | 31.84 | 29.83 | 32.92 | 31.57 | 29.43 | 28.82 | 29.30 | 30.56 | 29.33 | 29.87 | 29.02 | 29.36 |
| 1949 | 28.79 | 29.69 | 28.70 | 28.77 | 28.30 | 28.49 | 28.64 | 31.75 | 29.84 | 28.95 | 29.38 | 28.50 |
| 1950 | 28.13 | 27.93 | 27.86 | 27.71 | 27.66 | 27.53 | 29.16 | 27.83 | 29.83 | 33.75 | 29.14 | 28.66 |
| 1951 | 28.37 | 28.28 | 28.45 | 28.23 | 27.90 | 27.86 | 27.87 | 28.06 | 28.52 | 27.98 | 28.88 | 28.54 |
| 1952 | 28.17 | 30.08 | 28.90 | 28.57 | 28.43 | 28.21 | 28.06 | 28.07 | 28.41 | 28.24 | 27.91 | 27.85 |
| 1953 | 28.24 | 28.07 | 28.09 | 29.97 | 28.17 | 28.70 | 28.69 | 33.31 | 31.19 | 29.52 | 28.87 | 34.34 |
| 1954 | 29.53 | 28.93 | 28.68 | 28.48 | 28.18 | 28.00 | 27.92 | 27.85 | 28.39 | 27.74 | 27.68 | 27.65 |
| 1955 | 27.85 | 28.14 | 27.76 | 27.68 | 27.61 | 27.34 | 27.68 | 27.38 | 27.37 | 27.14 | 27.01 | 26.95 |
| 1956 | 26.90 | 27.03 | 26.88 | 26.75 | 26.98 | 27.04 | 27.31 | 27.25 | 27.48 | 29.07 | 27.48 | 27.15 |
| 1957 | 26.97 | 26.89 | 26.95 | 26.88 | 26.94 | 28.66 | 28.24 | 28.39 | 28.13 | 28.04 | 27.75 | 27.61 |
| 1958 | 27.91 | 28.37 | 30.05 | 29.73 | 28.57 | 28.64 | 28.93 | 29.01 | 28.01 | 27.78 | 27.75 | 28.08 |
| 1959 | 28.95 | 29.01 | 34.03 | 30.97 | 35.25 | 30.63 | 29.87 | 29.07 | 30.53 | 30.22 | 29.01 | 28.57 |
| 1960 | 28.41 | 30.05 | 32.11 | 29.71 | 28.72 | 28.95 | 31.31 | 30.89 | 30.50 | -     | -     | -     |

Table 1. Streamflow, stream stages, and lake stages - continued

## 56. SANTA FE RIVER AT WORTHINGTON, FLA.

Location.--Lat 29°55', long 82°26', on line between secs. 32 and 33, T. 6 S., R. 19 E., at bridge on State Highway 23, 0.5 mile south of Worthington, Union County.'

| Monthly mean discharge, in cfs |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year                           | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| 1931                           | -     | -     | -     | -     | -     | -     | -     | -     | -     | 4.0   | 3.0   | 4.00  |
| 1932                           | 5.12  | 5.44  | 25.5  | 7.81  | 2.13  | 58.8  | 27.0  | 271   | 475   | 59.4  | 119   | 71.2  |
| 1933                           | 65.5  | 233   | 313   | 1,180 | 83.0  | 23.4  | 113   | 269   | 843   | 71.2  | 34.3  | 20.0  |
| 1934                           | 16.9  | 35.6  | 65.3  | 33.0  | 219   | 3,650 | 547   | 847   | 265   | 101   | 23.2  | 16.8  |
| 1935                           | 48.4  | 38.5  | 23.4  | 6.41  | 3.71  | 3.58  | 95.0  | 417   | 3,430 | 421   | 82.0  | 52.5  |
| 1936                           | 97.8  | 859   | 479   | 450   | 26.3  | 36.7  | 68.7  | 99.9  | 33.3  | 270   | 58.5  | 78.4  |
| 1937                           | 229   | 1,280 | 396   | 857   | 131   | 39.6  | 102   | 302   | 1,390 | 1,656 | 241   | 214   |
| 1938                           | 442   | 460   | 105   | 26.4  | 25.6  | 62.1  | 134   | 374   | 121   | 1,138 | 469   | 78.7  |
| 1939                           | 52.5  | 73.8  | 73.6  | 35.6  | 38.2  | 341   | 877   | 1,049 | 246   | 72.0  | 28.9  | 49.8  |
| 1940                           | 121   | 579   | 157   | 321   | 35.3  | 105   | 481   | 795   | 224   | 35.5  | 10.9  | 127   |
| 1941                           | 344   | 435   | 338   | 119   | 16.9  | 246   | 867   | 362   | 203   | 2,236 | 1,370 | 1,295 |
| 1942                           | 1,381 | 1,085 | 2,111 | 414   | 60.5  | 144   | 400   | 426   | 449   | 171   | 28.9  | 38.4  |
| 1943                           | 47.2  | 31.1  | 52.1  | 22.5  | 50.0  | 18.0  | 60.9  | 754   | 264   | 42.1  | 13.0  | 17.1  |
| 1944                           | 60.8  | 49.7  | 412   | 1,161 | 122   | 38.3  | 552   | 1,827 | 599   | 2,564 | 341   | 130   |
| 1945                           | 688   | 260   | 62.5  | 22.7  | 17.3  | 17.4  | 272   | 1,254 | 577   | 179   | 47.4  | 602   |
| 1946                           | 899   | 264   | 143   | 73.4  | 854   | 1,178 | 1,459 | 1,804 | 1,253 | 1,187 | 266   | 86.0  |
| 1947                           | 56.3  | 535   | 1,357 | 583   | 154   | 215   | 147   | 168   | 2,186 | 2,365 | 1,788 | 795   |
| 1948                           | 765   | 957   | 3,216 | 1,735 | 141   | 46.1  | 209   | 1,450 | 455   | 1,570 | 170   | 424   |
| 1949                           | 248   | 969   | 143   | 334   | 68.9  | 94.1  | 233   | 513   | 1,516 | 266   | 555   | 170   |
| 1950                           | 75.0  | 39.5  | 60.2  | 33.5  | 32.1  | 8.32  | 652   | 120   | 2,435 | 2,155 | 417   | 192   |
| 1951                           | 167   | 144   | 144   | 131   | 19.6  | 12.7  | 26.1  | 78.3  | 138   | 120   | 359   | 185   |
| 1952                           | 129   | 631   | 370   | 130   | 30.0  | 30.2  | 27.0  | 28.4  | 102   | 195   | 55.3  | 24.9  |
| 1953                           | 249   | 149   | 144   | 1,116 | 118   | 142   | 134   | 1,423 | 1,477 | 1,307 | 379   | 1,801 |
| 1954                           | 779   | 248   | 157   | 102   | 30.9  | 12.7  | 14.8  | 9.86  | 165   | 119   | 20.5  | 22.7  |
| 1955                           | 80.4  | 353   | 52.2  | 31.1  | 8.27  | 5.05  | 162   | 57.0  | 56.8  | 10.2  | 15.8  | 9.61  |
| 1956                           | 23.1  | 87.8  | 32.1  | 7.11  | 89.5  | 18.3  | 222   | 49.0  | 91.7  | 750   | 200   | 51.3  |
| 1957                           | 27.8  | 21.0  | 54.9  | 65.2  | 46.7  | 1,263 | 290   | 549   | 239   | 343   | 59.5  | 74.7  |
| 1958                           | 166   | 262   | 1,460 | 768   | 333   | 150   | 759   | 437   | 93.2  | 31.6  | 130   | 268   |
| 1959                           | 1,047 | 647   | 3,303 | 944   | 1,716 | 1,263 | 686   | 303   | 982   | 1,121 | 308   | 149   |
| 1960                           | 132   | 383   | 1,917 | 739   | 142   | 196   | 1,188 | 1,265 | 1,248 | -     | -     | -     |

| Month-end stage, in feet above mean sea level |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1931  | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 50.14 | 50.18 |
| 1932  | 50.22 | 50.22 | 50.56 | 50.06 | 49.92 | 51.50 | 50.73 | 55.00 | 53.34 | 50.50 | 52.84 | 50.82 |
| 1933  | 52.36 | 51.72 | 54.02 | 53.38 | 50.98 | 50.74 | 52.84 | 52.30 | 51.54 | 51.06 | 50.64 | 50.50 |
| 1934  | 50.44 | 51.39 | 51.04 | 50.72 | 57.64 | 58.00 | 54.80 | 53.66 | 51.39 | 50.90 | 50.58 | 50.52 |
| 1935  | 50.44 | 50.64 | 50.22 | 50.04 | 49.84 | 50.04 | 51.81 | 58.14 | 58.84 | 52.09 | 51.18 | 51.54 |
| 1936  | 52.84 | 57.14 | 53.04 | 51.14 | 50.54 | 50.67 | 51.34 | 51.94 | 50.10 | 51.99 | 50.69 | 51.08 |
| 1937  | 52.74 | 58.79 | 55.04 | 53.04 | 51.00 | 50.39 | 53.74 | 59.59 | 56.19 | 53.44 | 53.99 | 52.69 |
| 1938  | 53.40 | 52.19 | 51.14 | 50.48 | 52.08 | 52.94 | 54.66 | 51.56 | 51.44 | 59.34 | 51.99 | 51.45 |
| 1939  | 51.33 | 52.66 | 50.41 | 51.32 | 49.88 | 54.08 | 53.14 | 54.66 | 51.65 | 50.19 | 50.07 | 51.49 |
| 1940  | 51.89 | 54.44 | 51.34 | 51.04 | 49.88 | 50.14 | 56.20 | 55.31 | 50.94 | 49.83 | 49.71 | 55.02 |
| 1941  | 52.56 | 52.74 | 51.37 | 50.02 | 49.69 | 58.00 | 57.99 | 51.89 | 51.10 | 59.79 | 54.37 | 59.65 |
| 1942  | 53.67 | 60.26 | 57.74 | 51.44 | 50.13 | 53.13 | 55.82 | 52.28 | 54.38 | 50.36 | 49.97 | 50.64 |
| 1943  | 50.63 | 49.93 | 50.01 | 49.77 | 50.38 | 50.04 | 50.77 | 53.35 | 51.39 | 49.89 | 49.94 | 50.07 |
| 1944  | 50.37 | 50.27 | 58.53 | 53.70 | 50.39 | 50.05 | 56.43 | 58.24 | 52.08 | 57.71 | 52.16 | 51.40 |
| 1945  | 54.96 | 51.70 | 50.27 | 50.45 | 49.93 | 51.03 | 52.03 | 57.26 | 53.19 | 51.12 | 50.36 | 60.85 |
| 1946  | 55.84 | 52.12 | 52.35 | 50.54 | 53.50 | 59.99 | 61.20 | 59.42 | 57.10 | 53.98 | 51.80 | 50.87 |
| 1947  | 52.45 | 54.84 | 55.62 | 52.11 | 58.36 | 50.48 | 53.44 | 51.34 | 60.86 | 59.60 | 56.25 | 56.26 |
| 1948  | 59.03 | 54.56 | 57.54 | 53.74 | 51.33 | 50.48 | 57.59 | 55.09 | 52.61 | 53.06 | 53.35 | 55.68 |
| 1949  | 52.19 | 53.51 | 51.04 | 51.19 | 50.25 | 52.26 | 52.50 | 61.43 | 53.71 | 51.65 | 54.44 | 51.50 |
| 1950  | 50.67 | 50.43 | 50.81 | 50.27 | 50.32 | 49.69 | 55.42 | 50.71 | 57.32 | 58.76 | 52.35 | 52.74 |
| 1951  | 51.58 | 51.16 | 52.52 | 51.20 | 49.94 | 50.24 | 51.11 | 50.09 | 53.64 | 50.43 | 53.15 | 53.46 |
| 1952  | 52.18 | 57.73 | 53.14 | 51.14 | -     | 49.85 | 49.80 | 50.91 | 53.06 | 51.96 | 50.33 | 50.09 |
| 1953  | 52.43 | 51.29 | 51.34 | 54.92 | 50.16 | 53.46 | 54.83 | 62.60 | 60.06 | 53.56 | 53.12 | 60.53 |
| 1954  | 53.73 | 52.29 | 51.68 | 51.41 | 50.04 | 49.65 | 49.88 | 49.90 | 54.81 | 50.20 | 49.96 | 50.07 |
| 1955  | 51.87 | 51.71 | 51.02 | 49.77 | 49.76 | 49.82 | 51.56 | 50.43 | 49.91 | 49.82 | 49.79 | 49.81 |
| 1956  | 50.41 | 50.76 | 49.83 | 49.94 | 50.08 | 51.97 | 50.25 | 50.30 | 51.67 | 56.79 | 51.03 | 50.37 |
| 1957  | 50.16 | 50.44 | 50.87 | 50.08 | 50.98 | 52.38 | 53.83 | 52.96 | 53.05 | 51.00 | 51.09 | 50.77 |
| 1958  | 52.60 | 58.38 | 65.40 | 56.81 | 51.95 | 53.71 | 53.23 | 52.89 | 50.27 | 50.17 | 50.51 | 53.11 |
| 1959  | 54.27 | 55.54 | 58.54 | 55.83 | 59.57 | 55.16 | 53.72 | 53.48 | 56.40 | 55.39 | 52.79 | 51.72 |
| 1960  | 53.00 | 58.59 | 59.49 | 53.28 | 50.74 | 54.81 | 59.79 | 57.76 | 60.18 | -     | -     | -     |



Table 1.--Streamflow, stream stages, and lake stages - continued

## 58. SOUTH FORK BLACK CREEK NEAR CAMP BLANDING, FLA.

Location.--Lat 29°56'33", long 81°53'52", on line between secs. 27 and 28, T. 6 S., R. 24 E., at bridge on State Highway 21, 6 miles southeast of main entrance to Camp Blanding, and 6 miles southwest of Penney Farms.

## Monthly mean discharge, in cfs

| Year | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1957 | -    | -    | -    | -    | -    | -    | -    | -    | -     | 49.9 | 27.8 | 25.2 |
| 1958 | 31.9 | 34.5 | 53.6 | 47.2 | 31.9 | 21.1 | 23.3 | 25.7 | 19.1  | 17.7 | 25.2 | 33.8 |
| 1959 | 48.5 | 38.0 | 105  | 61.7 | 131  | 93.1 | 76.4 | 50.3 | 92.0  | 60.0 | 39.7 | 34.8 |
| 1960 | 32.7 | 38.2 | 68.2 | 49.8 | 31.3 | 28.6 | 68.7 | 67.8 | 89.7  | -    | -    | -    |

## Month-end stage, in feet above mean sea level

| Year | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1957 | -     | -     | -     | -     | -     | -     | -     | -     | -     | 44.19 | 44.23 | 44.00 |
| 1958 | 44.17 | 44.94 | 44.63 | 44.32 | 43.95 | 43.67 | 43.72 | 43.66 | 43.47 | 43.64 | 43.69 | 44.04 |
| 1959 | 44.20 | 45.99 | 45.24 | 44.50 | 46.00 | 44.78 | 45.42 | 45.49 | 45.01 | 44.75 | 44.44 | 44.34 |
| 1960 | 44.51 | 44.54 | 45.16 | 44.34 | 44.34 | 43.95 | 45.45 | 44.58 | 45.93 | -     | -     | -     |

## 59. SOUTH FORK BLACK CREEK NEAR PENNEY FARMS, FLA.

Location.--Lat 29°58'45", long 81°51'08", in NE $\frac{1}{4}$  sec. 13, T. 6 S., R. 24 E., at bridge on State Highway 16, 2 $\frac{1}{2}$  miles west of Penney Farms.

## Monthly mean discharge, in cfs

| Year | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1939 | -    | -    | -    | -    | -    | -    | -    | -    | -     | 33   | 39.2 | 56.4 |
| 1940 | 82.7 | 163  | 62.3 | 134  | 34.3 | 101  | 141  | 103  | 74.5  | 25.2 | 18.1 | 225  |
| 1941 | 162  | 137  | 118  | 91.1 | 33.7 | 182  | 379  | 156  | 162   | 564  | 225  | 321  |
| 1942 | 245  | 281  | 485  | 97.3 | 47.9 | 245  | 174  | 118  | 165   | 48.5 | 38.8 | 71.0 |
| 1943 | 59.7 | 47.3 | 63.9 | 38.3 | 70.8 | 127  | 173  | 415  | 291   | 60.3 | 45.7 | 55.7 |
| 1944 | 148  | 71.1 | 351  | 325  | 62.9 | 83.6 | 414  | 583  | 161   | 583  | 100  | 88.5 |
| 1945 | 161  | 92.6 | 55.9 | 53.0 | 35.8 | 66.5 | 126  | 238  | 310   | 133  | 58.8 | 325  |
| 1946 | 189  | 83.1 | 106  | 54.1 | 288  | 225  | 342  | 411  | 377   | 175  | 91.2 | 58.6 |
| 1947 | 60.0 | 127  | 306  | 139  | 77.3 | 83.9 | 228  | 155  | 637   | 633  | 484  | 183  |
| 1948 | 398  | 251  | 666  | 237  | 60.9 | 61.1 | 165  | 305  | 161   | 450  | 75.0 | 94.8 |
| 1949 | 78.2 | 173  | 68.3 | 121  | 85.9 | 61.2 | 48.1 | 161  | 236   | 205  | 107  | 62.9 |
| 1950 | 48.2 | 40.5 | 58.2 | 42.2 | 37.3 | 29.4 | 132  | 37.6 | 465   | 586  | 89.9 | 82.1 |
| 1951 | 80.0 | 69.9 | 78.5 | 52.0 | 25.5 | 24.3 | 46.3 | 63.8 | 68.2  | 98.5 | 175  | 102  |
| 1952 | 66.7 | 199  | 109  | 70.3 | 72.9 | 99.0 | 86.9 | 81.6 | 207   | 236  | 63.6 | 39.5 |
| 1953 | 131  | 181  | 114  | 524  | 41.9 | 45.7 | 127  | 885  | 452   | 313  | 120  | 432  |
| 1954 | 151  | 117  | 89.5 | 69.1 | 39.5 | 29.8 | 33.8 | 22.3 | 34.2  | 72.4 | 31.2 | 36.7 |
| 1955 | 69.7 | 125  | 43.1 | 32.5 | 18.6 | 16.2 | 43.8 | 26.6 | 127   | 59.1 | 25.8 | 26.5 |
| 1956 | 45.5 | 109  | 34.5 | 28.2 | 84.2 | 153  | 152  | 72.6 | 48.9  | 222  | 44.3 | 33.5 |
| 1957 | 30.5 | 34.0 | 81.3 | 40.6 | 47.6 | 176  | 160  | 237  | 184   | 196  | 50.5 | 51.0 |
| 1958 | 101  | 102  | 313  | 223  | 81.2 | 39.7 | 58.1 | 133  | 35.8  | 55.9 | 122  | 196  |
| 1959 | 271  | 129  | 593  | 171  | 747  | 320  | 254  | 228  | 356   | 173  | 77.6 | 67.3 |
| 1960 | 66.8 | 124  | 431  | 172  | 59.8 | 143  | 530  | 271  | 529   | -    | -    | -    |

Table 1.--Streamflow, stream stages, and lake stages - continued

59. SOUTH FORK BLACK CREEK NEAR PENNEY FARMS, FLA. - continued

Month-end stage, in feet above mean sea level

| Year | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1950 | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | 11.48 | 12.34 |
| 1951 | 11.46 | 11.96 | 12.20 | 11.56 | 11.55 | 11.88 | 11.68 | 12.09 | 12.22 | 11.38 | 11.41 | 13.59 |
| 1952 | 12.15 | 12.37 | 11.83 | 11.72 | 11.79 | 15.92 | 12.73 | 13.38 | 11.57 | 15.25 | 12.13 | 14.54 |
| 1953 | 12.24 | 14.15 | 13.44 | 11.82 | 11.82 | 13.79 | 12.61 | 12.16 | 12.82 | 11.28 | 11.20 | 12.90 |
| 1954 | 11.68 | 11.24 | 11.23 | 11.05 | 11.52 | 12.62 | 11.95 | 14.97 | 12.19 | 11.24 | 11.49 | 11.73 |
| 1955 | 11.67 | 11.47 | 20.57 | 12.00 | 11.40 | 12.04 | 17.79 | 13.19 | 12.15 | 12.66 | 12.13 | 11.87 |
| 1956 | 12.33 | 11.91 | 11.14 | 11.81 | 10.78 | 11.27 | 11.80 | 12.76 | 12.61 | 11.60 | 11.39 | 16.04 |
| 1957 | 12.35 | 12.58 | 12.73 | 11.03 | 12.08 | 16.78 | 18.50 | 17.43 | 13.08 | 12.00 | 11.75 | 11.51 |
| 1958 | 15.03 | 12.33 | 13.91 | 11.54 | 12.14 | 11.93 | 15.16 | 11.72 | 13.72 | 13.87 | 12.58 | 12.41 |
| 1959 | 15.94 | 12.42 | 12.82 | 11.70 | 11.28 | 11.51 | 13.77 | 12.00 | 12.76 | 11.85 | 11.82 | 11.91 |
| 1960 | 11.83 | 11.89 | 11.37 | 11.31 | 11.26 | 11.62 | 10.95 | 16.70 | 20.91 | 11.69 | 11.76 | 11.43 |
| 1950 | 11.16 | 11.00 | 11.32 | 11.13 | 10.84 | 10.64 | 11.03 | 11.17 | 25.42 | 12.59 | 11.68 | 13.06 |
| 1951 | 11.52 | 11.55 | 11.62 | 10.99 | 10.74 | 11.57 | 11.67 | 11.02 | 12.78 | 11.28 | 11.76 | 12.41 |
| 1952 | 12.00 | 13.52 | 12.26 | 11.52 | 13.16 | 11.50 | 11.51 | 13.44 | 14.36 | 12.04 | 11.48 | 11.34 |
| 1953 | 11.60 | 11.61 | 11.57 | 11.99 | 11.10 | 11.37 | 13.18 | 21.02 | 14.96 | 12.71 | 11.96 | 15.25 |
| 1954 | 12.11 | 12.21 | 11.45 | 11.73 | 11.47 | 10.92 | 10.51 | 10.60 | 11.17 | 10.84 | 10.81 | 10.96 |
| 1955 | 11.79 | 11.40 | 11.65 | 10.69 | 10.89 | 11.12 | 12.12 | 10.60 | 11.42 | 10.83 | 10.82 | 11.06 |
| 1956 | 11.32 | 11.48 | 11.00 | 11.28 | 11.14 | 13.85 | 11.21 | 11.14 | 10.90 | 11.74 | 11.17 | 11.02 |
| 1957 | 11.00 | 11.98 | 11.55 | 11.00 | 11.49 | 11.02 | 12.19 | 12.38 | 15.18 | 11.32 | 11.44 | 11.30 |
| 1958 | 12.21 | 16.12 | 12.74 | 11.71 | 11.63 | 11.23 | 11.19 | 11.20 | 10.70 | 11.10 | 11.41 | 12.44 |
| 1959 | 12.09 | 17.69 | 12.87 | 11.76 | 13.58 | 12.32 | 12.09 | 13.35 | 12.17 | 11.98 | 11.60 | 11.52 |
| 1960 | 12.78 | 13.30 | 13.57 | 11.80 | 12.29 | 13.76 | 19.89 | 12.78 | 16.76 | -     | -     | -     |

## 60. SWIFT CREEK NEAR LAKE BUTLER, FLA.

Location.--Lat 30°03', long 82°25', in sec. 16, T. 5 S., R. 19 E., at bridge on State Highway 100, 5 miles northwest of Lake Butler.

Monthly mean discharge, in cfs

| Year | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 1957 | -    | -    | -    | -    | -    | -    | -    | -    | 17.1  | 19.0 | 1.09 | 4.38 |
| 1958 | 14.5 | 25.1 | 106  | 102  | 27.1 | 8.57 | 41.1 | 61.5 | 10.9  | .12  | .75  | 5.90 |
| 1959 | 97.1 | 46.6 | 305  | 71.7 | 195  | 104  | 22.3 | 22.7 | 80.1  | 75.3 | 28.1 | 14.3 |
| 1960 | 14.2 | 62.1 | 236  | 41.2 | 5.49 | 5.21 | 43.7 | 50.7 | 60.2  | -    | -    | -    |

Month-end stage, in feet above mean sea level

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1957 | -      | -      | -      | -      | -      | -      | -      | 112.82 | 112.69 | 111.90 | 111.93 | 111.86 |
| 1958 | 112.58 | 114.03 | 113.62 | 113.23 | 111.76 | 112.36 | 112.53 | 112.96 | 110.60 | 110.62 | 110.77 | 111.58 |
| 1959 | 112.52 | 114.50 | 114.38 | 113.19 | 115.34 | 111.34 | 112.41 | 111.08 | 113.19 | 112.94 | 112.01 | 111.55 |
| 1960 | 112.02 | 114.81 | 114.21 | 111.68 | 110.40 | 111.63 | 113.57 | 114.14 | 114.14 | -      | -      | -      |

Table 1.--Streamflow, stream stages, and lake stages - continued

62. WADESBORO SPRING NEAR ORANGE PARK, FLA.

Location.--Nine-tenths of a mile southwest of Orange Park on State Highway 224A at railroad crossing.

Measurements of discharge.--Apr. 18, 1946, 1.40 cfs; Apr. 20, 1956, 0.71 cfs; Oct. 18, 1960, 1.41 cfs.

63. WATER OAK CREEK NEAR STARKE, FLA.

Location.--Lat 30°01', long 82°09', in sec. 36, T. 5 S., R. 21 E., at bridge on State Highway 16, 6.2 miles northwest of Starke.

| Measurements of flow |                 |                   |         |                   |                   |
|----------------------|-----------------|-------------------|---------|-------------------|-------------------|
| Date                 | Discharge (cfs) | Gage Height (ft.) | Date    | Discharge (cfs)   | Gage Height (ft.) |
| 5- 6-58              | 1.24            | 9.40              | 3-13-60 | 582               | 13.85             |
| 12-15-58             | 77.9            | 11.24             | 5-18-60 | 592 (from rating) | 13.89             |
| 3-19-59              | 325             | 12.75             | 8-17-60 | 10.6              | 10.17             |

64. YELLOW WATER CREEK NEAR MAXVILLE, FLA.

Location.--Lat 30°13'44", long 81°55'17", in NE<sup>1</sup> sec. 20, T. 3 S., R. 24 E., at bridge on State Highway 228, 5.8 miles northeast of Maxville.

| Measurements of flow |                 |                  |          |                 |                  |
|----------------------|-----------------|------------------|----------|-----------------|------------------|
| Date                 | Discharge (cfs) | Stage (ft., msl) | Date     | Discharge (cfs) | Stage (ft., msl) |
| 9-12-57              | 24.5            | 53.96            | 2-16-59  | 7.70            | 53.30            |
| 10- 4-57             | 192             | 55.61            | 3-18-59  | 230             | 55.78            |
| 12- 5-57             | 1.68            | 52.31            | 4-14-59  | 3.43            | 52.99            |
| 1-16-58              | 15.6            | 53.63            | 5-23-59  | 605             | 56.72            |
| 3-12-58              | 20.7            | 53.79            | 7-31-59  | 2.90            | 52.76            |
| 4-11-58              | - (peak)        | 57.82            | 9-24-59  | 14.9            | 53.62            |
| 4-11-58              | 262             | 55.88            | 11-10-59 | 4.82            | 52.85            |
| 5- 7-58              | 1.63            | 52.33            | 1- 5-60  | 2.67            | 52.57            |
| 7- 9-58              | 6.88            | 53.15            | 3- 2-60  | 19.7            | 53.76            |
| 8-27-58              | 6.36            | 52.90            | 4-26-60  | 1.94            | 52.76            |
| 10-29-58             | .44             | 52.11            | 6-22-60  | 1.35            | 52.66            |
| 12-19-58             | 5.40            | 53.05            | 8-17-60  | 2.80            | 52.51            |

Table 2. Chemical Analyses and Temperatures of Surface Waters

(Note: Numbers preceding station names are location numbers in figures 3 and 4)

Chemical analyses in parts per million except specific conductance, pH, and color

| Date of collection                             | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium                       | Non-carbonate |   |     |       |                  |
| (35) NEWMANS LAKE NEAR GAINESVILLE, FLA.       |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| July 12, 1957.....                             | --                   | 0.1                        | 0.01      | 5.6          | 1.7            | 9.0         | 0.8           | 21                              | 3.0                        | 14            | 0.3          | 0.2                        | --                           | 45               | 76               | 21                            | 4             | 86  | 6.6 | 85    | 88               |
| Oct. 7, 1958.....                              | S 1.7                | 1.6                        | .00       | 3.6          | 1.3            | 5.1         | --            | 11                              | 1.5                        | 10            | .3           | .0                         | 0.0                          | 28               | --               | 14                            | 6             | 63  | 6.6 | 80    | 71               |
| Mar. 20, 1959.....                             | S 6.5                | 3.0                        | .07       | 4.2          | .9             | 3.8         | .0            | 10                              | 1.2                        | 2.5           | .2           | .1                         | --                           | 21               | 59               | 14                            | 6             | 49  | 6.0 | 110   | 57               |
| Jan. 1, 1960.....                              | S 2.5                | 3.3                        | .05       | 3.2          | 1.1            | 3.9         | .5            | 4                               | 2.8                        | 5.8           | .2           | 4.4                        | .1                           | 26               | 67               | 12                            | 9             | 52  | 6.3 | 95    | 55               |
| June 22.....                                   | S 2.5                | 1.6                        | .14       | 3.2          | 1.3            | 5.0         | 1.0           | 7                               | 3.2                        | 7.0           | .2           | .4                         | .0                           | 26               | 63               | 14                            | 8             | 53  | 6.2 | 80    | 82               |
| (7) CAMPS CANAL NEAR ROCHELLE, FLA.            |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Oct. 7, 1958.....                              | 34                   | 1.9                        | 0.00      | 3.8          | 1.1            | 4.8         | --            | 10                              | 2.0                        | 10            | 0.2          | 0.0                        | 0.0                          | 29               | --               | 14                            | 6             | 63  | 6.6 | 60    | 75               |
| Mar. 20, 1959.....                             | 833                  | 2.0                        | .04       | 4.4          | 1.0            | 5.2         | 0.0           | 8                               | 4.8                        | 8.8           | .2           | 1.7                        | --                           | 32               | 63               | 16                            | 8             | 58  | 6.8 | 110   | 61               |
| Jan. 1, 1960.....                              | 70                   | 2.6                        | .15       | 3.2          | 1.1            | 3.9         | .5            | 4                               | 2.4                        | 5.8           | .2           | 4.5                        | .5                           | 26               | 64               | 12                            | 9             | 52  | 6.5 | 110   | 55               |
| June 21.....                                   | 60                   | 1.1                        | .08       | 3.6          | .7             | 4.8         | .2            | 10                              | .8                         | 8.0           | .1           | .1                         | .0                           | 24               | 29               | 12                            | 4             | 48  | 6.9 | 60    | 84               |
| (43) ORANGE LAKE AT ORANGE LAKE, FLA.          |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Oct. 7, 1958.....                              |                      | 4.3                        | 0.00      | 6.8          | 1.9            | 4.8         | --            | 21                              | 3.0                        | 10            | 0.3          | 0.8                        | 0.1                          | 42               | --               | 25                            | 8             | 83  | 6.4 | 50    | 76               |
| Jan. 1, 1960.....                              |                      | 3.4                        | .02       | 6.0          | 1.6            | 4.7         | 0.8           | 18                              | 2.0                        | 7.0           | .2           | 1.3                        | .13                          | 38               | 66               | 22                            | 6             | 68  | 6.5 | 80    | 59               |
| June 21.....                                   | S 58.3               | 2.3                        | .03       | 6.0          | 1.2            | 4.6         | .1            | 20                              | .8                         | 8.2           | .1           | .2                         | .0                           | 33               | 49               | 20                            | 4             | 61  | 6.3 | 55    | 83               |
| (45) PEBBLE LAKE NEAR KEYSTONE HEIGHTS, FLA.   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Nov. 27, 1957.....                             | S 10.0               | 4.7                        | 0.02      | 0.8          | 0.5            | 2.4         | 0.2           | 4                               | 2.8                        | 4.0           | 0.1          | 0.0                        | 0.4                          | 18               | 21               | 4                             | 0             | 24  | 5.7 | 10    | --               |
| Oct. 1, 1958.....                              | S 6.8                | 1.7                        | .00       | 1.0          | .1             | 3.2         | --            | 3                               | 1.5                        | 4.0           | .1           | .1                         | .4                           | 14               | --               | 3                             | 0             | 23  | 5.4 | 3     | 79               |
| Mar. 19, 1959.....                             | --                   | 1.0                        | .05       | .8           | .4             | 2.0         | .0            | 2                               | 2.0                        | 3.8           | .1           | .1                         | --                           | 11               | 13               | 4                             | 2             | 21  | 5.3 | 3     | 61               |
| Dec. 30.....                                   | S 5.4                | 1.6                        | .04       | .8           | .2             | 3.4         | .5            | 2                               | .8                         | 3.5           | .1           | .4                         | .0                           | 12               | 15               | 3                             | 2             | 22  | 5.9 | 5     | 62               |
| June 22, 1960.....                             | S 5.8                | 1.4                        | .01       | .8           | .4             | 2.1         | .0            | 2                               | .8                         | 3.5           | .0           | .0                         | .1                           | 10               | 9                | 4                             | 2             | 19  | 5.2 | 0     | 85               |
| (41) ORANGE LAKE AT HEAGY'S FISHING CAMP, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Mar. 19, 1959.....                             | S 59.1               | 0.7                        | 0.03      | 7.6          | 1.1            | 6.3         | 0.1           | 20                              | 2.4                        | 10            | 0.2          | 0.8                        |                              | 39               | 67               | 24                            | 7             | 79  | 6.5 | 45    | 58               |
| Jan. 4, 1960.....                              | S 37.6               | 2.0                        | .03       | 7.0          | 1.1            | 4.8         | .8            | 20                              | 2.4                        | 9.0           | .2           | .3                         |                              | 38               | 46               | 22                            | 6             | 70  | 6.4 | 65    | 66               |
| June 21.....                                   | S 58.3               | 1.6                        | .03       | 6.0          | 1.7            | 5.0         | .9            | 20                              | 1.2                        | 7.5           | .3           | .2                         | 0.0                          | 34               | 58               | 22                            | 6             | 65  | 6.4 | 45    | 83               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

| Date of collection                                 | Mean discharge (cfs) | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  | Specific conductance (micro-mhos at 25°C) | pH | Color | Temperature (°F) |                               |               |
|--|----------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|---|----|-------|------------------|-------------------------------|---------------|
|  |                      | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  |   |    |       |                  | Hardness as CaCO <sub>3</sub> |               |
|  |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium-related  | Residue at 180°C |   |    |       |                  | Calcium, magnesium            | Non-carbonate |
| (30) LOCHLOOSA CREEK AT GROVE PARK, FLA.           |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| Mar. 17, 1959.....                                 | I 751                | 2.2  | 0.08      | 2.0          | 1.0            | 3.8         | 0.0           | 4                               | 0.4                        | 5.0           | 0.2          | 0.3                        | --                           | 17               | 60               | 9   | 6  | 40    | 5.4              | 150                           | 58            |
| Jan. 4, 1960.....                                  |                      | 11   | .03       | 4.4          | 2.7            | 7.1         | .9            | 14                              | 1.6                        | 12            | .3           | 0.2                        | 0.0                          | 47               | 92               | 22  | 10 | 78    | 6.1              | 180                           | 59            |
| June 21.....                                       |                      | 6.1  | .07       | 4.4          | 1.9            | 4.3         | .4            | 9                               | 2.4                        | 8.5           | .2           | .1                         | .7                           | 33               | 72               | 19  | 12 | 57    | 5.6              | 220                           | 53            |
| (32) LOCHLOOSA LAKE AT LOCHLOOSA, FLA.             |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| Oct. 7, 1958.....                                  |                      | 0.4  | 0.00      | 15           | 3.3            | 12          | --            | 50                              | 12                         | 16            | 0.3          | 0.4                        | 0.0                          | 84               | --               | 51  | 10 | 142   | 6.8              | 15                            | 76            |
| Mar. 17, 1959.....                                 |                      | .8   | .04       | 14           | 1.7            | 7.8         | 0.1           | 36                              | 6.8                        | 12            | .3           | .9                         | --                           | 63               | 91               | 42  | 12 | 122   | 6.7              | 45                            | 62            |
| Jan. 4, 1960.....                                  |                      | 5.7  | .02       | 9.4          | 3.0            | 6.2         | 1.0           | 33                              | 6.0                        | 10            | .2           | 1.0                        | 1.1                          | 60               | 90               | 36  | 9  | 103   | 6.8              | 75                            | 59            |
| June 21.....                                       |                      | .0   | .06       | 8.0          | 2.2            | 5.8         | .4            | 29                              | 3.2                        | 10            | .2           | .0                         | .0                           | 44               | 49               | 29  | 5  | 83    | 6.7              | 45                            | 55            |
| (10) DEEP CREEK NEAR RODMAN, FLA.                  |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| Nov. 22, 1957.....                                 | I 60                 | 10   | 0.06      | 19           | 6.2            | 3.4         | 0.2           | 87                              | 2.2                        | 5.5           | 0.1          | 0.0                        | 0.3                          | 90               | 96               | 73  | 2  | 150   | 7.5              | 90                            | 84            |
| Mar. 17, 1959.....                                 |                      | 4.5  | .10       | 6.2          | 2.1            | 3.1         | .1            | 20                              | .8                         | 4.5           | .3           | 0.0                        | --                           | 32               | 71               | 24  | 8  | 86    | 6.7              | 180                           | 57            |
| Dec. 30.....                                       |                      | 11   | .11       | 19           | 5.7            | 3.8         | .5            | 82                              | 3.2                        | 6.5           | .1           | 0.0                        | .3                           | 90               | 94               | 71  | 4  | 154   | 7.6              | 35                            | 60            |
| June 21, 1960.....                                 |                      | 17   | .12       | 17           | 5.5            | 3.4         | 1.6           | 68                              | 6.0                        | 5.5           | .2           | .0                         | .0                           | 89               | 104              | 65  | 10 | 135   | 7.1              | 75                            | 74            |
| (50) SAND HILL LAKE NEAR KEYSTONE HEIGHTS, FLA.    |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| July 8, 1957.....                                  | --                   | 1.7  | 0.01      | 0.8          | 0.5            | 3.6         | 0.4           | 4                               | 0.5                        | 5.0           | 0.0          | 0.2                        | --                           | 19               | 24               | 4   | 0  | 29    | 5.6              | 3                             | 87            |
| Nov. 27.....                                       | S 5.4                | 4.0  | .01       | .4           | .7             | 3.0         | .2            | 4                               | 2.5                        | 5.0           | .1           | .0                         | 0.0                          | 18               | 25               | 4   | 0  | 26    | 5.7              | 5                             | --            |
| Oct. 1, 1958.....                                  | S 5.2                | 3.0  | .01       | .6           | .6             | 4.8         | --            | 3                               | 3.5                        | 5.5           | .1           | .0                         | .0                           | 20               | --               | 4   | 2  | 28    | 5.5              | 2                             | 83            |
| Mar. 20, 1959.....                                 | S 6.3                | 2.4  | .03       | 1.4          | .5             | 3.4         | .0            | 1                               | .8                         | 5.5           | .1           | .1                         | --                           | 15               | 26               | 6   | 4  | 37    | 4.8              | 38                            | 82            |
| Dec. 31.....                                       | S 5.7                | 1.3  | .04       | 1.2          | .5             | 3.4         | .0            | 2                               | 2.4                        | 4.2           | .1           | .2                         | .0                           | 14               | 16               | 6   | 4  | 24    | 5.3              | 5                             | 55            |
| June 22, 1960.....                                 | S 5.8                | 2.4  | .01       | 1.0          | .4             | 2.8         | .1            | 3                               | 2.4                        | 4.2           | .0           | .0                         | .0                           | 15               | 12               | 4   | 2  | 24    | 5.3              | 5                             | 82            |
| (34) MAGNOLIA LAKE NEAR KEYSTONE HEIGHTS, FLA.     |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| Nov. 27, 1957.....                                 | --                   | 1.9  | 0.01      | 0.8          | 0.6            | 2.9         | 0.2           | 4                               | 1.8                        | 5.0           | 0.0          | 0.0                        | 0.0                          | 15               | 20               | 4   | 1  | 26    | 5.8              | 5                             | --            |
| Mar. 20, 1959.....                                 | S 7.7                | .8   | .02       | 1.0          | .4             | 2.8         | .0            | 2                               | 2.8                        | 5.0           | .1           | .5                         | --                           | 14               | 18               | 4   | 2  | 28    | 5.1              | 20                            | 63            |
| Dec. 31.....                                       | S 7.3                | 1.6  | .07       | 1.2          | .1             | 2.6         | .2            | 4                               | 2.4                        | 4.0           | .1           | .0                         | --                           | 14               | 28               | 4   | 0  | 26    | 6.1              | 17                            | 56            |
| June 22, 1960.....                                 | S 1.3                | .9   | .02       | 1.2          | .2             | 2.9         | .0            | 3                               | 2.4                        | 4.2           | .0           | .0                         | .0                           | 13               | 15               | 4   | 2  | 24    | 5.4              | 3                             | 83            |
| INFLOW TO CRYSTAL LAKE NEAR KEYSTONE HEIGHTS, FLA. |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| Dec. 20, 1957.....                                 |                      | 5.3  | 0.01      | 0.4          | 0.2            | 2.0         | 0.0           | 4                               | 0.5                        | 3.0           | 0.0          | 0.0                        | 0.2                          | 14               | 17               | 2   | 0  | 16    | 6.3              | 10                            |               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

| Date of collection   | Mean discharge (cfs) | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |                 | Dissolved solids |                    | Hardness as CaCO <sub>3</sub> |    | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|-----------------|------------------|--------------------|-------------------------------|----|---|-----|-------|------------------|
|  |                      | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Calcium-related | Residue at 180°C | Calcium, magnesium | Non-carbonate                 |    |   |     |       |                  |
| (9) CRYSTAL LAKE NEAR KEYSTONE HEIGHTS, FLA.                                 |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                 |                  |                    |                               |    |   |     |       |                  |
| Dec. 20, 1957.....   |                      | 2.2  | 0.02      | 3.2          | 0.7            | 3.4         | 0.2           | 13                              | 2.2                        | 5.5           | 0.0          | 0.0                        | 0.0                          | 24              | 31               | 11                 | 0                             | 41 | 7.7                                       | 5   | --    |                  |
| Oct. 2, 1958.....  |                      | 4.4  | .01       | 4.0          | .2             | 3.8         | .4            | 10                              | 3.5                        | 8.0           | .1           | .1                         | .0                           | 28              | 24               | 11                 | 3                             | 38 | 6.7                                       | 5   | 82    |                  |
| Mar. 20, 1959.....   |                      | 1.4  | .05       | 1.4          | .4             | 2.7         | .0            | 3                               | 2.4                        | 4.5           | .1           | .2                         | --                           | 15              | 16               | 5                  | 2                             | 27 | 5.7                                       | 2   | 63    |                  |
| Dec. 30, 1959.....   |                      | .0   | .05       | 2.0          | .5             | 2.8         | .0            | 7                               | 1.6                        | 4.2           | .0           | .1                         | .0                           | 15              | 18               | 7                  | 2                             | 30 | 6.4                                       | 5   | 61    |                  |
| June 23, 1960.....   |                      | .7   | .02       | 2.2          | .6             | 2.7         | 1.0           | 6                               | 2.4                        | 3.5           | .0           | .0                         | .0                           | 16              | 19               | 8                  | 3                             | 31 | 6.3                                       | 15  | 83    |                  |
| (4) BROOKLYN LAKE NEAR KEYSTONE HEIGHTS, FLA.                                |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                 |                  |                    |                               |    |   |     |       |                  |
| July 11, 1957.....   |                      | --   | 0.2       | 0.01         | 1.2            | 0.7         | 4.0           | 0.4                             | 4                          | 2.5           | 8.0          | 0.0                        | 0.1                          | --              | 17               | 21                 | 6                             | 2  | 37  | 5.7 | 3     | 88               |
| Nov. 25, 1957.....   | § 4.7                | 1.3  | .00       | 1.2          | 1.0            | 4.0         | .2            | 3                               | 5.2                        | 7.0           | .0           | .0                         | 0.0                          | 21              | 34               | 7                  | 4                             | 41 | 5.5                                       | 5   | --    |                  |
| Oct. 1, 1958.....  | § 6.2                | 1.0  | .01       | 1.6          | 1.2            | 4.4         | .4            | 2                               | 5.5                        | 8.0           | .1           | .1                         | .0                           | 21              | 22               | 9                  | 4                             | 40 | 5.6                                       | 3   | 84    |                  |
| Mar. 19, 1959.....   | § 9.5                | .9   | .05       | 1.4          | .5             | 3.9         | .0            | 1                               | 5.2                        | 6.0           | .1           | .0                         | --                           | 18              | 21               | 6                  | 4                             | 36 | 5.1                                       | 2   | 60    |                  |
| Dec. 30, 1959.....   | § 22.8               | 1.4  | .03       | 1.0          | .6             | 2.6         | .3            | 4                               | 3.2                        | 4.8           | .1           | .2                         | .0                           | 16              | --               | 5                  | 2                             | 28 | 5.6                                       | 10  | 60    |                  |
| June 22, 1960.....   | § 22.9               | .5   | .02       | 1.4          | 1.2            | 2.9         | .0            | 3                               | 2.8                        | 5.0           | .0           | .0                         | .1                           | 14              | 19               | 4                  | 2                             | 26 | 5.5                                       | 2   | 83    |                  |
| (23) LAKE GENEVA AT KEYSTONE HEIGHTS, FLA.                                   |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                 |                  |                    |                               |    |   |     |       |                  |
| July 9, 1957.....  | § 5.6                | 2.5  | 0.01      | 1.2          | 1.2            | 6.0         | 0.7           | 4                               | 3.0                        | 9.0           | 0.0          | 0.1                        | --                           | 26              | 31               | 8                  | 4                             | 53 | 5.6                                       | 3   | 88    |                  |
| Nov. 26, 1957.....   | --                   | .8   | .01       | .8           | 1.3            | 6.2         | .4            | 3                               | 5.5                        | 9.5           | .0           | .0                         | 0.0                          | 26              | 28               | 8                  | 5                             | 52 | 5.5                                       | 0   | --    |                  |
| Oct. 1, 1958.....  | § 5.1                | .9   | .00       | 2.0          | 1.7            | 5.6         | .7            | 2                               | 6.8                        | 10            | .1           | .1                         | .1                           | 28              | 26               | 8                  | 6                             | 56 | 5.2                                       | 3   | 83    |                  |
| Mar. 19, 1959.....   | --                   | .8   | .00       | 1.2          | 1.1            | 6.4         | .0            | 1                               | 6.8                        | 10            | .1           | .2                         | --                           | 27              | 31               | 8                  | 6                             | 55 | 5.1                                       | 2   | --    |                  |
| Dec. 30, 1959.....   | § 7.3                | .2   | .02       | 1.4          | 1.1            | 6.3         | .9            | 2                               | 8.0                        | 9.0           | .1           | .1                         | .0                           | 26              | 34               | 8                  | 6                             | 53 | 5.6                                       | 1   | 60    |                  |
| June 21, 1960.....   | § 7.6                | .0   | .02       | 1.4          | 1.2            | 5.9         | 1.0           | 2                               | 6.8                        | 8.5           | .1           | .1                         | .0                           | 26              | 32               | 8                  | 7                             | 52 | 5.5                                       | 5   | 86    |                  |
| (25) LAKE JOHNSON AT GOLD HEAD BRANCH STATE PARK NEAR KEYSTONE HEIGHTS, FLA. |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                 |                  |                    |                               |    |   |     |       |                  |
| Nov. 27, 1957.....   | § 0.4                | 3.3  | 0.02      | 0.4          | 0.5            | 2.4         | 0.2           | 4                               | 2.2                        | 4.0           | 0.0          | 0.0                        | 0.2                          | 15              | 20               | 3                  | 0                             | 24 | 5.4                                       | 30  | --    |                  |
| Oct. 1, 1958.....  | § .3                 | 2.4  | .01       | .8           | .2             | 2.4         | .4            | 3                               | 5.2                        | 4.0           | .0           | .1                         | .0                           | 20              | --               | 3                  | 0                             | 22 | 5.6                                       | 5   | 80    |                  |
| Mar. 19, 1959.....   | § 1.5                | 2.8  | .05       | .6           | .2             | 2.0         | .0            | 2                               | 1.2                        | 3.2           | .1           | .0                         | --                           | 11              | 14               | 2                  | 1                             | 20 | 5.2                                       | 5   | 80    |                  |
| Dec. 30, 1959.....   | § 1.0                | 3.8  | .05       | .6           | .4             | 2.4         | .1            | 4                               | .0                         | 4.0           | .0           | .1                         | .1                           | 13              | 19               | 3                  | 0                             | 22 | 5.9                                       | 25  | 59    |                  |
| June 22, 1960.....   | § 1.6                | 3.1  | .04       | 1.2          | .4             | 2.4         | .0            | 2                               | .8                         | 3.5           | .0           | .1                         | .0                           | 13              | 14               | 4                  | 3                             | 21 | 5.3                                       | 10  | 84    |                  |
| (15) HALL LAKE NEAR KEYSTONE HEIGHTS, FLA.                                   |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                 |                  |                    |                               |    |   |     |       |                  |
| Dec. 16, 1957.....   |                      | 0.6  | 0.01      | 1.6          | 1.7            | 7.8         | 0.5           | 2                               | 11                         | 13            | 0.1          | 0.1                        | 0.1                          | 37              | 62               | 11                 | 10                            | 74 | 5.3                                       | 10  | --    |                  |
| Oct. 2, 1958.....  |                      | 1.1  | .00       | 1.8          | 2.1            | 11          | --            | 1                               | 16                         | 14            | .1           | .0                         | .0                           | 47              | --               | 13                 | 12                            | 89 | 4.7                                       | 3   | 61    |                  |
| Mar. 20, 1959.....   |                      | 1.1  | .01       | 2.0          | 1.6            | 7.3         | 0.0           | 0                               | 13                         | 12            | .1           | .2                         | --                           | 37              | 44               | 12                 | 12                            | 76 | 4.7                                       | 0   | 82    |                  |
| Dec. 30, 1959.....   |                      | .1   | .01       | 2.2          | 1.8            | 6.1         | .6            | 2                               | 11                         | 12            | .1           | .0                         | .0                           | 35              | 38               | 13                 | 12                            | 79 | 5.1                                       | 2   | 56    |                  |
| June 23, 1960.....   |                      | .0   | .04       | 2.4          | 1.9            | 8.4         | .8            | 1                               | 14                         | 12            | .1           | .0                         | .0                           | 40              | --               | 14                 | 13                            | 83 | 4.8                                       | 5   | 81    |                  |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection   | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculation      | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (57) SMITH LAKE NEAR KEYSTONE HEIGHTS, FLA.                        |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Dec. 16, 1957.....   |                      | 1.2                        | 0.02      | 2.0          | 2.3            | 12          | 0.7           | 3                               | 8.8                        | 22            | 0.1          | 0.4                        | 0.1                          | 51               | 62               | 14                            | 12            | 104                                       | 5.6 | 10    | --               |
| Oct. 2, 1958.....  |                      | 1.0                        | .00       | 3.6          | 2.4            | 14          | 1.1           | 1                               | 20                         | 20            | .1           | .4                         | .0                           | 63               | 74               | 19                            | 18            | 123                                       | 4.9 | 0     | 81               |
| Mar. 20, 1959.....   |                      | 1.4                        | .04       | 3.2          | 2.1            | 9.1         | .0            | 1                               | 17                         | 14            | .1           | .0                         | --                           | 47               | 61               | 16                            | 16            | 95  | 5.0 | 3     | 63               |
| Dec. 30, 1959.....   |                      | .2                         | .01       | 2.8          | 1.9            | 11          | 1.4           | 2                               | 16                         | 16            | .2           | .1                         | .0                           | 51               | 63               | 15                            | 14            | 100                                       | 6.2 | 6     | 59               |
| June 23, 1960.....   |                      | .0                         | .04       | 3.0          | 1.9            | 9.8         | 1.2           | 3                               | 15                         | 16            | .0           | .0                         | .0                           | 48               | 62               | 16                            | 13            | 94  | 5.2 | 8     | 83               |
| (24) LAKE GRANDIN NEAR INTERLACHEN, FLA.                           |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| July 11, 1957.....   | S 6.5                | 0.5                        | 0.01      | 2.0          | 1.2            | 5.9         | 0.3           | 6                               | 4.0                        | 9.5           | 0.0          | 0.1                        | --                           | 27               | 39               | 10                            | 5             | 55  | 5.7 | 10    | 86               |
| Dec. 30, 1958.....   | S 7.8                | .0                         | .12       | 1.8          | 1.3            | 6.2         | .0            | 4                               | 6.4                        | 10            | .1           | .2                         | 0.0                          | 28               | 32               | 10                            | 6             | 57  | 5.6 | 7     | 60               |
| June 21, 1960.....   | S 7.9                | 1.5                        | .05       | 2.2          | 1.0            | 5.5         | .0            | 4                               | 6.0                        | 9.5           | .0           | .1                         | .1                           | 28               | 34               | 10                            | 6             | 51  | 5.5 | 5     | --               |
| (8) CLARKES CREEK NEAR GREEN COVE SPRINGS, FLA.                    |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Sept. 30, 1958....   |                      | 11                         | 0.00      | 11           | 0.7            | 6.2         |               | 35                              | 2.2                        | 9.0           | 0.2          | 0.0                        | 0.2                          | 58               |                  | 30                            | 2             | 87  | 7.1 | 30    |                  |
| (46) PETERS CREEK NEAR PENNEY FARMS, FLA.                          |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Sept. 30, 1958....   |                      | 8.8                        | 0.00      | 6.0          | 0.6            | 4.8         |               | 20                              | 0.5                        | 7.5           | 0.2          | 0.0                        |                              | 39               |                  | 18                            | 1             | 58  | 6.8 | 40    |                  |
| (58) SOUTH FORK BLACK CREEK NEAR CAMP BLANDING STATE ROAD 21, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Mar. 18, 1959.....   |                      | 2.9                        | 0.14      | 5.8          | 0.9            | 4.4         | 0.0           | 12                              | 3.6                        | 7.0           | 0.2          | 0.0                        |                              | 31               | 46               | 18                            | 8             | 62  | 6.5 | 50    | 56               |
| (2) ATES CREEK NEAR PENNEY FARMS, FLA.                             |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Dec. 18, 1957.....   |                      | 6.6                        | 0.25      | 1.8          | 1.1            | 4.5         | 0.0           | 5                               | 1.2                        | 9.0           | 0.1          | 0.1                        | 0.7                          | 28               | 59               | 9                             | 5             | 47  | 5.6 | 180   | --               |
| Sept. 30, 1958....   |                      | 6.3                        | .00       | 2.0          | .1             | 3.7         | --            | 4                               | .5                         | 5.5           | .3           | .1                         | 1.0                          | 22               | --               | 6                             | 2             | 31  | 5.4 | 80    | 71               |
| Feb. 13, 1959.....   | I 37.2               | 6.2                        | .27       | 2.0          | 1.0            | 5.9         | .0            | 1                               | 3.2                        | 9.8           | .2           | .4                         | --                           | 29               | 74               | 9                             | 8             | 55  | 4.7 | 220   | --               |
| Mar. 17.....   |                      | 2.9                        | .30       | .8           | .5             | 2.7         | .0            | 1                               | 2.2                        | 4.5           | .1           | .1                         | --                           | 14               | 38               | 4                             | 3             | 27  | 4.8 | 130   | 55               |
| Dec. 31.....   |                      | 7.9                        | .34       | 2.4          | .6             | 4.8         | .4            | 4                               | 2.4                        | 10            | .2           | .1                         | .4                           | 31               | 57               | 8                             | 5             | 40  | 5.5 | 150   | 52               |
| June 22, 1960.....   |                      | 5.7                        | .24       | 2.4          | .5             | 3.9         | .0            | 3                               | .8                         | 6.5           | .2           | .3                         | .4                           | 22               | 39               | 8                             | 6             | 37  | 5.1 | 160   | 76               |

Table 2.--Chemical analyses and temperatures of surface water--Continued

| Date of collection  | Mean discharge (cfs) | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  | pH | Color | Temperature (°F) |                               |               |   |    |
|---|----------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|----|-------|------------------|-------------------------------|---------------|---|----|
|   |                      | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  |    |       |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) |    |
|   |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C |    |       |                  | Calcium, magnesium            | Non-carbonate |   |    |
| (14) GREENS CREEK NEAR PENNEY FARMS, FLA.                 |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |    |       |                  |                               |               |   |    |
| Dec. 18, 1957.....  |                      | 11   | 0.17      | 3.8          | 1.6            | 7.0         | 0.0           | 14                              | 1.0                        | 14            | 0.1          | 0.0                        | 0.2                          | 46               | 71               | 16 | 4     | 69               | 6.5                           | 80            | --  |    |
| Sept. 30, 1958.....                                       | E 0.1                | 7.7  | .00       | 9.2          | .9             | 5.5         | --            | 27                              | 1.8                        | 10            | .2           | 0                          | --                           | 48               | --               | 26 | 4     | 80               | 6.8                           | 80            | 73  |    |
| Mar. 17, 1959.....  |                      | 2.6  | .17       | 1.6          | .0             | 3.0         | .0            | 0                               | .4                         | 4.2           | .1           | .4                         | --                           | 12               | 36               | 4  | 4     | 31               | 4.7                           | 110           | 55  |    |
| Dec. 31.....  |                      | 11   | .27       | 5.8          | .5             | 6.2         | .4            | 17                              | .8                         | 12            | .2           | 0                          | --                           | 45               | 70               | 16 | 2     | 68               | 5.8                           | 70            | 49  |    |
| June 22, 1960.....  |                      | 7.1  | .26       | 4.0          | .7             | 5.0         | .1            | 8                               | .8                         | 11            | .1           | .2                         | .0                           | 34               | 60               | 13 | 6     | 54               | 5.8                           | 0             | 74  |    |
| (59) SOUTH FORK BLACK CREEK NEAR PENNEY FARMS, FLA.       |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |    |       |                  |                               |               |   |    |
| Aug. 23, 1957.....  | 408                  | 6.5  | --        | 2.6          | 0.9            | 5.0         | 0.0           | 8                               | 1.2                        | 9.5           | 0.2          | 0.1                        | --                           | 29               | 86               | 10 | 4     | 52               | 5.3                           | 250           | 76  |    |
| Oct. 8.....   | 170                  | 5.3  | 0.58      | 3.6          | .7             | 4.4         | .3            | 7                               | .0                         | 13            | .2           | .2                         | --                           | 32               | 3                | 12 | 6     | 50               | 5.7                           | 360           | --  |    |
| Nov. 26.....  | 61                   | 5.7  | .11       | 3.6          | 1.1            | 4.3         | .4            | 10                              | .0                         | 7.0           | .1           | .1                         | --                           | 27               | 51               | 14 | 6     | 52               | 6.0                           | 100           | 63  |    |
| Jan. 13, 1958.....  | 80                   | 7.7  | .07       | 3.0          | 1.5            | 5.6         | .5            | 7                               | 3.0                        | 10            | .2           | .1                         | --                           | 35               | 55               | 14 | 6     | 60               | 5.7                           | 80            | 56  |    |
| Mar. 13.....  | 335                  | 5.3  | .26       | 2.4          | 1.1            | 5.6         | .5            | 5                               | 2.0                        | 9.5           | .2           | .1                         | --                           | 29               | 67               | 10 | 6     | 53               | 5.3                           | 160           | 61  |    |
| May 5.....  | 56                   | 6.6  | .13       | 2.6          | 1.2            | 4.3         | .3            | 8                               | 2.0                        | 6.8           | .2           | .2                         | --                           | 28               | 45               | 12 | 5     | 46               | 5.9                           | 100           | 75  |    |
| July 7.....   | 59                   | 6.0  | .22       | 3.0          | 1.2            | 4.5         | .5            | 8                               | 2.5                        | 7.2           | .3           | .1                         | --                           | 29               | 53               | 12 | 6     | 48               | 5.9                           | 120           | 76  |    |
| Sept. 3.....  | 33                   | 6.0  | .11       | 4.6          | .4             | 3.8         | .3            | 11                              | 2.2                        | 6.5           | .0           | 1.1                        | --                           | 30               | 52               | 13 | 4     | 47               | 6.3                           | 120           | --  |    |
| Sept. 30, Oct. 1-11                                       | 42                   | 7.4  | .07       | 5.6          | .7             | 3.8         | .4            | 12                              | 4.8                        | 7.2           | .2           | .2                         | 0.5                          | 37               | 51               | 17 | 7     | 52               | 6.3                           | 78            | --  |    |
| Oct. 12, 14-26.....                                       | 75                   | 12   | .10       | 24           | 1.5            | 5.8         | .7            | 72                              | 6.4                        | 11            | .2           | 0                          | .4                           | 97               | 130              | 66 | 7     | 159              | 6.8                           | 60            | --  |    |
| Oct. 13.....  | 25                   | --   | --        | --           | --             | --          | --            | 11                              | 3.6                        | --            | --           | --                         | --                           | --               | --               | -- | 16    | 6                | 52                            | 6.1           | 55  | -- |
| Oct. 27-28, 30,<br>Nov. 1-2, 4-6, 8,<br>10, 12-14, 18-19. | 121                  | 7.9  | .17       | 5.6          | .7             | 4.8         | .4            | 12                              | 8.0                        | 10            | .2           | .1                         | .5                           | 44               | 77               | 17 | 7     | 62               | 6.1                           | 150           | --  |    |
| Oct. 29.....  | 34                   | --   | --        | --           | --             | --          | --            | 86                              | 4.8                        | --            | --           | --                         | --                           | --               | --               | 76 | 6     | 184              | 6.8                           | 20            | 67  |    |
| Oct. 31.....  | 39                   | --   | --        | --           | --             | --          | --            | 90                              | 5.6                        | --            | --           | --                         | --                           | --               | --               | 81 | 7     | 193              | 6.8                           | 12            | 67  |    |
| Nov. 3.....   | 48                   | --   | --        | --           | --             | --          | --            | 47                              | 5.6                        | --            | --           | --                         | --                           | --               | --               | 40 | 2     | 111              | 5.8                           | 65            | 64  |    |
| Nov. 7.....   | 512                  | --   | --        | --           | --             | --          | --            | 81                              | 5.2                        | --            | --           | --                         | --                           | --               | --               | 72 | 6     | 178              | 6.8                           | 20            | 67  |    |
| Nov. 11.....  | 141                  | --   | --        | --           | --             | --          | --            | 61                              | 8.0                        | --            | --           | --                         | --                           | --               | --               | 58 | 8     | 141              | 6.7                           | 60            | 66  |    |
| Nov. 15.....  | 66                   | --   | --        | --           | --             | --          | --            | 70                              | 8.8                        | --            | --           | --                         | --                           | --               | --               | 69 | 12    | 160              | 5.7                           | 30            | 70  |    |
| Nov. 20.....  | 47                   | --   | --        | --           | --             | --          | --            | 87                              | 9.2                        | --            | --           | --                         | --                           | --               | --               | -- | 81    | 10               | 186                           | 6.6           | 10  | 67 |
| Nov. 21-22, 24-25,<br>28-29, Dec. 1,<br>3-8, 11-13, 15-18 | 226                  | 7.5  | .23       | 3.6          | 1.7            | 4.6         | .4            | 6                               | 8.0                        | 10            | .2           | .0                         | .4                           | 39               | 75               | 13 | 8     | 55               | 5.6                           | 160           | --  |    |
| Nov. 26-27.....   | 80                   | 9.5  | .08       | 24           | 1.0            | 4.9         | .7            | 71                              | 11                         | 8.0           | .3           | .0                         | .3                           | 95               | --               | 67 | 9     | 157              | 6.9                           | 45            | --  |    |



Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection   | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (microhos at 25°C) | pH  | Color | Temperature (°F) |    |  |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|----|--|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium                       | Non-carbonate |   |     |       |                  |    |  |
| (59) SOUTH FORK BLACK CREEK NEAR PENNEY FARMS, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |    |  |
| Dec. 2, 1958.....  | 50                   | --                         | --        | --           | --             | --          | --            | 83                              | 11                         | --            | --           | --                         | --                           | --               | --               | 83                            | 15            | 189                                     | 6.6 | 10    | 70               | -- |  |
| Dec. 20, 23, 25...   | 84                   | 11                         | 0.03      | 30           | 2.7            | 5.0         | 0.4           | 81                              | 16                         | 12            | 0.2          | 0.4                        | --                           | 118              | 156              | 86                            | 20            | 200                                     | 7.5 | 30    | --               | -- |  |
| Dec. 22, 26-27,  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |    |  |
| 29-31.....   | 118                  | 9.7                        | .15       | 4.0          | .7             | 5.3         | .1            | 6                               | 4.0                        | 9.0           | .1           | .2                         | --                           | 36               | 64               | 13                            | 8             | 56                                      | 5.8 | 120   | --               | -- |  |
| Jan. 1-8, 1959....   | 625                  | 5.6                        | .16       | 3.2          | .7             | 5.0         | .1            | 5                               | 4.0                        | 8.5           | .2           | .2                         | --                           | 30               | 71               | 11                            | 7             | 54                                      | 5.4 | 190   | --               | -- |  |
| Jan. 9.....  | 185                  | 9.4                        | --        | --           | --             | 5.0         | .5            | 70                              | 15                         | 10            | .2           | 1.5                        | --                           | --               | --               | 80                            | 22            | 180                                     | 6.8 | 15    | 60               | -- |  |
| Jan. 10.....   | 162                  | 11                         | --        | --           | --             | 5.5         | .2            | 45                              | 10                         | 8.0           | .2           | .7                         | --                           | --               | --               | 47                            | 10            | 118                                     | 6.6 | 90    | 50               | -- |  |
| Jan. 12-15, 17,  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |    |  |
| 19-20.....   | 180                  | 7.6                        | .14       | 3.2          | 1.0            | 4.7         | .1            | 6                               | 4.0                        | 8.0           | .2           | .1                         | --                           | 32               | 62               | 12                            | 7             | 55                                      | 5.8 | 130   | --               | -- |  |
| Jan. 18.....   | 238                  | 8.9                        | --        | --           | --             | 6.0         | .5            | 67                              | 20                         | 12            | .2           | 3.4                        | --                           | --               | --               | 84                            | 29            | 196                                     | 6.8 | 20    | 58               | -- |  |
| Jan. 21, 23, 26-31   | 122                  | 7.4                        | .13       | 3.2          | 1.0            | 5.3         | .1            | 8                               | 4.4                        | 8.5           | .2           | .1                         | --                           | 34               | 56               | 12                            | 6             | 54                                      | 6.1 | 150   | --               | -- |  |
| Jan. 24-25.....  | 168                  | 8.0                        | --        | 3.4          | 3.2            | 6.0         | .5            | 83                              | 22                         | 12            | .2           | .4                         | --                           | 127              | 145              | 98                            | 30            | 228                                     | 7.0 | 10    | --               | -- |  |
| Feb. 2-7, 9-10....   | 137                  | 6.4                        | .16       | 3.2          | 1.0            | 4.8         | .1            | 8                               | 4.0                        | 7.5           | .2           | .1                         | --                           | 31               | 61               | 12                            | 6             | 53                                      | 6.0 | 150   | --               | -- |  |
| Feb. 11-16, 18-20.   | 112                  | 6.6                        | .19       | 4.0          | .7             | 5.3         | .1            | 9                               | 4.0                        | 8.0           | .2           | .2                         | --                           | 34               | 65               | 13                            | 6             | 56                                      | 6.1 | 160   | --               | -- |  |
| Feb. 21-28.....  | 151                  | 6.3                        | .16       | 3.2          | 1.0            | 4.4         | .1            | 8                               | 4.4                        | 7.0           | .2           | .1                         | --                           | 31               | 57               | 12                            | 6             | 50                                      | 6.2 | 150   | --               | -- |  |
| Mar. 2-7, 9-10....   | 450                  | 5.2                        | .19       | 2.8          | 1.0            | 4.8         | .1            | 6                               | 4.4                        | 7.0           | .1           | .2                         | --                           | 29               | 69               | 11                            | 6             | 50                                      | 5.7 | 180   | --               | -- |  |
| Mar. 11-14, 18-19.   | 562                  | 5.8                        | .13       | 2.4          | 1.5            | 3.3         | .0            | 7                               | 4.0                        | 7.2           | .0           | .1                         | --                           | 28               | 51               | 12                            | 6             | 41                                      | 5.9 | 140   | --               | -- |  |
| Mar. 21-28, 30-31.   | 487                  | 5.7                        | .17       | 2.8          | .9             | 3.0         | .0            | 6                               | 3.8                        | 6.8           | .0           | .1                         | --                           | 26               | 50               | 10                            | 6             | 41                                      | 5.8 | 150   | --               | -- |  |
| Apr. 1-4, 8-10....   | 229                  | 5.9                        | .20       | 3.4          | 1.0            | 3.3         | .0            | 8                               | 5.6                        | 7.8           | .0           | .2                         | --                           | 31               | 53               | 12                            | 6             | 44                                      | 6.0 | 200   | --               | -- |  |
| Apr. 11, 13-18, 20   | 117                  | 6.2                        | .15       | 3.8          | 1.0            | 3.3         | .0            | 8                               | 4.2                        | 7.0           | .0           | .2                         | --                           | 30               | 50               | 14                            | 7             | 44                                      | 6.2 | 140   | --               | -- |  |
| Apr. 21-25, 27-30.   | 170                  | 6.3                        | .21       | 3.2          | 1.2            | 3.6         | .0            | 8                               | 4.0                        | 8.2           | .0           | .2                         | --                           | 31               | 59               | 13                            | 6             | 46                                      | 6.0 | 150   | --               | -- |  |
| May 1-2, 4-9.....  | 56                   | 6.6                        | .12       | 3.4          | 1.3            | 3.2         | .0            | 11                              | 4.4                        | 7.2           | .0           | .1                         | --                           | 32               | 40               | 14                            | 5             | 45                                      | 6.5 | 120   | --               | -- |  |
| May 11-16, 18-19..   | 80                   | 6.9                        | .13       | 4.0          | 1.2            | 3.4         | .0            | 13                              | 4.8                        | 6.8           | .0           | .1                         | --                           | 34               | 50               | 15                            | 4             | 50                                      | 6.6 | 100   | --               | -- |  |
| May 21.....  | 10300                | 1.9                        | .12       | 1.0          | .1             | --          | --            | 4                               | 2.4                        | 3.0           | .1           | --                         | --                           | 12               | 28               | 3                             | 0             | 18                                      | 5.6 | 110   | --               | -- |  |
| June 4-10.....   | 547                  | 5.4                        | .10       | 3.2          | 1.0            | 3.3         | .0            | 6                               | .8                         | 6.0           | .2           | .6                         | --                           | 24               | 58               | 12                            | 7             | 38                                      | 6.1 | 220   | --               | -- |  |
| June 11-20.....  | 134                  | 7.2                        | .31       | 3.2          | 1.5            | 3.8         | .0            | 9                               | 2.4                        | 6.0           | .2           | .3                         | --                           | 29               | 62               | 14                            | 6             | 44                                      | 6.3 | 150   | --               | -- |  |
| June 21-23.....  | 182                  | 16                         | .18       | 4.0          | 1.7            | 6.4         | .3            | 25                              | 3.2                        | 7.5           | .0           | .5                         | --                           | 52               | 68               | 17                            | 0             | 57                                      | 7.1 | 170   | --               | -- |  |
| June 24.....   | 110                  | 6.7                        | --        | 4.0          | .5             | 3.4         | .3            | 8                               | 2.4                        | --            | --           | --                         | --                           | 43               | 12               | 6                             | 37            | 6.0                                     | 180 | 79    | --               |    |  |
| June 25.....   | 100                  | 11                         | --        | 4.0          | 1.0            | 5.0         | .3            | 16                              | 2.0                        | --            | --           | .9                         | --                           | 53               | 14               | 1                             | 44            | 6.5                                     | 200 | 80    | --               |    |  |
| June 26-27, 29....   | 132                  | 5.4                        | .02       | 3.6          | .5             | 3.5         | .2            | 10                              | 3.6                        | 6.5           | .0           | .3                         | --                           | 29               | 55               | 11                            | 3             | 40                                      | 6.6 | 170   | --               | -- |  |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

| Date of collection   | Mean discharge (cfs) | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  | Specific conductance (micro-mhos at 25°C) | pH | Color | Temperature (°F) |                               |               |
|--|----------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|---|----|-------|------------------|-------------------------------|---------------|
|  |                      | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  |   |    |       |                  | Hardness as CaCO <sub>3</sub> |               |
|  |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C |   |    |       |                  | Calcium, magnesium            | Non-carbonate |
| (59) SOUTH FORK BLACK CREEK NEAR PENNEY FARMS, FLA.--Continued |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| June 30, 1959.....   | 111                  | 18   | --        | 4.8          | 1.9            | 6.2         | 0.3           | 22                              | 3.2                        | --            | --           | 0.4                        | --                           | 66               | 20               | 2   | 52 | 6.6   | 200              | 80                            |               |
| July 1-6.....  | 76                   | 6.2  | 0.05      | 4.0          | 1.7            | 3.5         | .3            | 12                              | 3.2                        | 7.5           | 0.0          | .2                         | --                           | 32               | 43               | 13  | 3  | 44    | 6.5              | 160                           | --            |
| July 6.....  | 73                   | 13   | --        | 4.8          | 1.0            | 5.1         | .3            | 16                              | 3.2                        | --            | --           | --                         | --                           | 52               | 16               | 3   | 44 | 6.7   | 120              | 72                            |               |
| July 7.....  | 66                   | --   | --        | 4.0          | .5             | 3.7         | .2            | 14                              | 2.8                        | --            | --           | --                         | --                           | 37               | 12               | 0   | 36 | 6.4   | 150              | 72                            |               |
| July 8-10.....   | 68                   | 7.2  | .08       | 4.0          | 1.0            | 3.7         | .2            | 12                              | 3.6                        | 7.0           | .0           | .2                         | --                           | 33               | 43               | 14  | 4  | 44    | 6.9              | 110                           | --            |
| July 11-12.....  | 276                  | 5.2  | --        | 3.2          | .7             | 3.1         | .3            | 8                               | 2.0                        | 6.0           | --           | .4                         | --                           | 25               | 56               | 11  | 4  | 37    | 6.2              | 170                           | --            |
| July 14-20.....  | 603                  | 5.8  | .02       | 2.8          | .7             | 3.4         | .3            | 7                               | .8                         | 5.5           | .0           | .7                         | --                           | 23               | 59               | 10  | 4  | 34    | 6.3              | 230                           | --            |
| July 21.....   | 288                  | --   | --        | 3.2          | 1.0            | 4.6         | .2            | 14                              | --                         | --            | --           | --                         | --                           | 61               | 12               | 0   | 38 | 6.5   | 120              | 74                            |               |
| July 22.....   | 385                  | --   | --        | 4.0          | 1.9            | 4.2         | .2            | 22                              | 1.6                        | --            | --           | --                         | --                           | 88               | 18               | 0   | 55 | 6.3   | 150              | 74                            |               |
| July 23.....   | 338                  | --   | --        | 4.0          | 1.5            | 4.9         | .2            | 22                              | 2.8                        | --            | --           | --                         | --                           | 76               | 16               | 0   | 52 | 6.6   | 210              | 72                            |               |
| July 24-28.....  | 143                  | 8.8  | .10       | 3.2          | 1.5            | 3.6         | .2            | 13                              | 4.0                        | 3.0           | .2           | 1.0                        | --                           | 32               | 58               | 14  | 4  | 43    | 6.6              | 180                           | --            |
| July 29.....   | 85                   | --   | --        | 6.4          | 1.0            | 6.0         | .2            | 30                              | 9.0                        | --            | --           | --                         | --                           | 62               | 20               | 0   | 65 | 6.6   | 150              | 75                            |               |
| July 30-31, Aug. 1   | 264                  | 5.4  | .03       | 3.2          | 1.0            | 2.8         | .2            | 10                              | 2.4                        | 4.0           | .2           | .1                         | --                           | 24               | 42               | 12  | 4  | 35    | 6.4              | 150                           | --            |
| Aug. 2.....  | 439                  | 5.5  | --        | --           | --             | --          | --            | 12                              | --                         | --            | --           | --                         | --                           | 58               | --               | --  | -- | 38    | 6.1              | 120                           | 75            |
| Aug. 3.....  | 533                  | --   | --        | 3.2          | 1.5            | 4.5         | .2            | 17                              | 1.6                        | --            | --           | --                         | --                           | 66               | 14               | 0   | 45 | 6.5   | 220              | 75                            |               |
| Aug. 4.....  | 381                  | 8.9  | --        | 2.4          | 1.9            | 4.2         | .2            | 14                              | 2.4                        | --            | --           | --                         | --                           | 76               | 14               | 2   | 46 | 6.1   | 200              | 75                            |               |
| Aug. 5.....  | 206                  | --   | --        | 4.8          | 1.5            | 4.9         | .2            | 19                              | 4.0                        | --            | --           | --                         | --                           | 68               | 18               | 2   | 54 | 6.3   | 120              | 72                            |               |
| Aug. 6.....  | 130                  | --   | --        | 3.2          | 1.9            | 4.2         | .2            | 16                              | 6.0                        | --            | --           | --                         | --                           | 68               | 16               | 3   | 50 | 6.3   | 120              | 72                            |               |
| Aug. 7.....  | 116                  | 8.1  | --        | 3.2          | .5             | 4.2         | .2            | 9                               | --                         | --            | --           | --                         | --                           | 52               | 10               | 2   | 40 | 6.1   | 120              | 75                            |               |
| Aug. 8.....  | 175                  | --   | --        | 2.4          | 1.5            | 3.8         | .2            | 9                               | .8                         | --            | --           | --                         | --                           | 56               | 12               | 4   | 35 | 6.2   | 120              | 75                            |               |
| Aug. 9-10.....   | 274                  | 12   | --        | 4.0          | 1.9            | 5.3         | .2            | 17                              | 8.0                        | 4.0           | --           | --                         | --                           | 44               | 78               | 18  | 4  | 53    | 6.8              | 200                           | --            |
| Aug. 11.....   | 263                  | 9.5  | --        | 4.0          | 1.5            | 4.6         | .2            | 13                              | 1.6                        | --            | --           | --                         | --                           | 72               | 16               | 6   | 49 | 6.0   | 120              | 75                            |               |
| Aug. 12.....   | 332                  | 12   | --        | 4.0          | 1.5            | 7.0         | .2            | 17                              | 1.6                        | --            | --           | --                         | --                           | 80               | 16               | 2   | 51 | 6.2   | 210              | 72                            |               |
| Aug. 13.....   | 586                  | 8.4  | --        | 3.2          | 1.5            | 5.4         | .2            | 15                              | --                         | --            | --           | --                         | --                           | 74               | 10               | 2   | 43 | 6.2   | 210              | 75                            |               |
| Aug. 14.....   | 415                  | --   | --        | 4.0          | 1.9            | 5.5         | .2            | 17                              | 3.2                        | --            | --           | --                         | --                           | 80               | 18               | 4   | 50 | 6.2   | 200              | 75                            |               |
| Aug. 15.....   | 287                  | 9.5  | --        | 3.2          | 1.5            | 4.9         | .2            | 12                              | 1.6                        | --            | --           | --                         | --                           | 64               | 14               | 4   | 41 | 6.0   | 200              | 75                            |               |
| Aug. 16-19.....  | 272                  | 7.8  | .11       | 2.4          | 1.5            | 5.6         | .2            | 12                              | .0                         | 4.0           | .4           | .4                         | --                           | 28               | 68               | 12  | 2  | 40    | 6.4              | 200                           | --            |
| Aug. 19-21.....  | 151                  | 6.8  | --        | .08          | 2.4            | 1.5         | 4.6           | .2                              | 10                         | 2.0           | 6.0          | .2                         | --                           | 29               | 62               | 12  | 4  | 39    | 6.3              | 180                           | --            |
| Aug. 22-26.....  | 70                   | 10   | .06       | 3.2          | 1.9            | 4.7         | .4            | 18                              | 1.6                        | 6.0           | .2           | .3                         | --                           | 37               | 66               | 16  | 1  | 50    | 6.8              | 180                           | --            |
| Aug. 27.....   | 56                   | 5.8  | --        | 2.4          | 1.0            | 3.2         | .2            | 10                              | 4.0                        | --            | --           | --                         | --                           | 50               | 10               | 2   | 36 | 6.3   | 65               | 80                            |               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection   | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (59) SOUTH FORK BLACK CREEK NEAR PENNEY FARMS, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Aug. 28, 1959.....   | 53                   | --                         | --        | 4.0          | 1.0            | 4.2         | 0.2           | 16                              | 0.8                        | --            | --           | --                         | --                           | --               | 58               | 14                            | 1             | 45  | 6.3 | 65    | 75               |
| Aug. 29.....   | 58                   | 13                         | --        | 3.2          | 1.9            | 3.3         | .2            | 10                              | 1.6                        | --            | --           | --                         | --                           | --               | 54               | 16                            | 8             | 39  | 6.4 | 110   | 72               |
| Aug. 30.....   | 157                  | 16                         | --        | 3.2          | 1.0            | 4.7         | .5            | 20                              | 2.0                        | --            | --           | --                         | --                           | --               | 68               | 12                            | 0             | 51  | 6.6 | 170   | 72               |
| Aug. 31.....   | 195                  | --                         | --        | 4.8          | 1.0            | 3.0         | .5            | 11                              | 2.4                        | 6.0           | --           | --                         | --                           | --               | 62               | 16                            | 7             | 42  | 6.3 | 170   | 74               |
| Sept. 1.....   | 214                  | 11                         | --        | 4.8          | 1.9            | 4.4         | .4            | 16                              | 3.2                        | --            | --           | --                         | --                           | --               | 78               | 20                            | 7             | 51  | 6.2 | 160   | 71               |
| Sept. 2.....   | 383                  | 9.8                        | --        | 3.2          | 1.0            | 3.1         | .4            | 9                               | --                         | --            | --           | --                         | --                           | --               | 76               | 12                            | 4             | 39  | 5.8 | 160   | 79               |
| Sept. 3.....   | 223                  | 9.8                        | --        | 3.2          | 1.0            | 4.2         | .4            | 12                              | .0                         | --            | --           | --                         | --                           | --               | 70               | 12                            | 2             | 42  | 6.0 | 160   | 74               |
| Sept. 4.....   | 182                  | 6.2                        | --        | 3.2          | .5             | 3.4         | .4            | 7                               | 1.6                        | 8.0           | --           | --                         | --                           | 25               | 64               | 10                            | 4             | 38  | 5.8 | 170   | 73               |
| Sept. 5.....   | 268                  | --                         | --        | 3.2          | 1.5            | 3.4         | .4            | 10                              | --                         | --            | --           | --                         | --                           | --               | 74               | 14                            | 6             | 42  | 5.8 | 170   | 70               |
| Sept. 6-9.....   | 204                  | 6.6                        | 0.06      | 2.4          | 1.5            | 3.2         | .4            | 7                               | .0                         | 6.0           | 0.2          | 0.6                        | --                           | 24               | 64               | 12                            | 6             | 38  | 5.8 | 180   | --               |
| Sept. 10.....  | 497                  | 9.6                        | --        | 4.0          | 1.0            | 3.2         | .3            | 11                              | .8                         | 5.0           | --           | --                         | --                           | 29               | 54               | 14                            | 5             | 39  | 5.8 | 180   | 70               |
| Sept. 11.....  | 373                  | --                         | --        | 3.2          | 1.5            | 7.2         | .4            | 11                              | .8                         | --            | --           | --                         | --                           | --               | 70               | 14                            | 5             | 42  | 5.8 | 180   | 75               |
| Sept. 12.....  | 370                  | --                         | --        | 3.2          | 1.0            | 3.6         | .4            | 8                               | .4                         | 5.0           | --           | --                         | --                           | --               | 60               | 12                            | 6             | 39  | 5.7 | 180   | 71               |
| Sept. 13.....  | 742                  | 10                         | --        | 2.4          | 1.0            | 3.1         | .4            | 8                               | --                         | --            | --           | --                         | --                           | --               | 68               | 10                            | 4             | 34  | 5.5 | 180   | 72               |
| Sept. 14.....  | 786                  | --                         | --        | 3.2          | 1.0            | 3.8         | .4            | 10                              | .4                         | --            | --           | --                         | --                           | --               | 52               | 12                            | 4             | 38  | 5.7 | 180   | 74               |
| Sept. 15.....  | 610                  | --                         | --        | 3.2          | 1.5            | 4.0         | .4            | 10                              | .8                         | --            | --           | --                         | --                           | --               | 60               | 14                            | 6             | 40  | 5.8 | 180   | 71               |
| Sept. 16.....  | 775                  | --                         | --        | 4.0          | .5             | 4.0         | .4            | 8                               | --                         | --            | --           | --                         | --                           | --               | 56               | 12                            | 6             | 40  | 6.0 | 180   | 70               |
| Sept. 17.....  | 983                  | 6.4                        | --        | 1.6          | 1.0            | 3.8         | .4            | 6                               | .4                         | --            | --           | --                         | --                           | --               | 54               | 8                             | 3             | 35  | 5.3 | 180   | 72               |
| Sept. 18.....  | 964                  | 9.0                        | --        | 2.4          | 1.0            | 3.8         | .4            | 11                              | .4                         | 8.0           | --           | --                         | --                           | 27               | 56               | 10                            | 1             | 37  | 5.8 | 200   | 72               |
| Sept. 19.....  | 437                  | 6.6                        | --        | 3.2          | .5             | 3.1         | .4            | 7                               | .4                         | 3.0           | --           | --                         | --                           | 21               | 54               | 10                            | 4             | 36  | 5.4 | 200   | 74               |
| Sept. 20.....  | 500                  | 11                         | --        | 4.8          | 1.9            | 5.6         | .4            | 19                              | .8                         | --            | --           | --                         | --                           | --               | 64               | 20                            | 4             | 50  | 6.1 | 200   | 72               |
| Sept. 21.....  | 444                  | --                         | --        | 4.8          | 1.0            | 5.3         | .4            | 15                              | --                         | --            | --           | --                         | --                           | --               | 62               | 16                            | 4             | 47  | 6.4 | 180   | 67               |
| Sept. 22.....  | 296                  | 6.8                        | --        | 4.0          | .5             | 3.3         | .4            | 10                              | 1.2                        | 6.0           | --           | --                         | --                           | 27               | 42               | 12                            | 4             | 41  | 5.7 | 180   | 70               |
| Sept. 23.....  | 225                  | 8.2                        | --        | 4.0          | 1.5            | 4.9         | .4            | 14                              | .8                         | --            | --           | --                         | --                           | --               | 42               | 16                            | 4             | 49  | 6.0 | 180   | 75               |
| Sept. 24.....  | 186                  | 8.2                        | --        | 4.0          | 1.0            | 4.3         | .4            | 12                              | 2.4                        | 7.0           | --           | --                         | --                           | 33               | 46               | 14                            | 4             | 42  | 6.0 | 180   | 77               |
| Sept. 26-30.....   | 118                  | 6.4                        | .10       | 3.2          | 1.0            | 3.3         | .4            | 8                               | 1.2                        | 5.0           | .2           | .2                         | --                           | 25               | 26               | 12                            | 6             | 37  | 6.1 | 150   | --               |
| Time-weighted average.....                                     | 262                  | --                         | --        | 5.1          | 1.1            | 4.3         | 0.2           | 16                              | 4.5                        | --            | --           | --                         | --                           | --               | 65               | 17                            | 4             | 60  | --  | 145   | --               |
| Nov. 12, 1959.....   | 77                   | 5.7                        | 0.10      | 2.4          | 1.0            | 3.4         | 0.0           | 8                               | 2.0                        | 6.0           | 0.1          | 0.5                        | --                           | 25               | 49               | 10                            | 4             | 41  | 5.9 | 100   | 57               |
| Jan. 7, 1960.....  | 68                   | 3.5                        | .11       | 3.4          | .9             | 4.1         | .2            | 14                              | 2.0                        | 6.8           | .2           | .2                         | --                           | 28               | 53               | 12                            | 0             | 43  | 6.8 | 60    | --               |
| Mar. 16.....   | 238                  | 4.6                        | .13       | 3.4          | .6             | 4.6         | .2            | 10                              | 3.2                        | 8.5           | .2           | .4                         | 0.4                          | 31               | 52               | 11                            | 3             | 47  | 6.1 | 100   | --               |
| Apr. 27.....   | 115                  | 4.9                        | .18       | 3.0          | .9             | 4.1         | .0            | 8                               | 2.0                        | 6.5           | .2           | .3                         | .3                           | 26               | 53               | 11                            | 4             | 40  | 6.4 | 100   | --               |
| June 23.....   | 107                  | 5.3                        | .03       | 3.0          | .6             | 3.2         | .7            | 4                               | 1.6                        | 6.0           | .2           | .0                         | .2                           | 23               | 51               | 10                            | 6             | 40  | 5.7 | 95    | --               |
| Aug. 18.....   | 103                  | 4.7                        | .05       | 3.0          | .4             | 3.1         | .2            | 6                               | .8                         | 5.5           | .2           | .0                         | .1                           | 21               | 36               | 9                             | 4             | 35  | 5.7 | 130   | 77               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                              | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |  |
|---|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|--|
|   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium                       | Non-carbonate |   |     |       |                  |  |
| (5) BULL CREEK NEAR MIDDLEBURG, FLA.            |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| Nov. 21, 1957.....                              | I 14.8               | 7.6                        | 0.23      | 3.4          | 2.1            | 4.6         | 0.1           | 12                              | 3.5                        | 9.0           | 0.2          | 0.0                        | 0.5                          | 37               | 64               | 17                            | 7             | 70  | 6.4 | 200   | 51               |  |
| Sept. 30, 1958.....                             | --                   | 7.2                        | .00       | 7.6          | 2.2            | 5.5         | --            | 31                              | 5.0                        | 6.5           | .2           | .0                         | .2                           | 49               | --               | 28                            | 2             | 54  | 7.0 | 70    | 70               |  |
| Mar. 18, 1959.....                              | I 216                | 3.1                        | .24       | 1.6          | .6             | 2.9         | .0            | 2                               | 4.0                        | 4.0           | .2           | .1                         | --                           | 18               | 53               | 6                             | 5             | 30  | 5.1 | 160   | 55               |  |
| Dec. 31, 1959.....                              | --                   | 7.8                        | .25       | 4.4          | 1.1            | 3.8         | .3            | 16                              | 1.6                        | 7.5           | .2           | .0                         | --                           | 35               | 57               | 16                            | 2             | 52  | 6.5 | 110   | 53               |  |
| June 22, 1960.....                              | --                   | 6.5                        | .21       | 4.4          | 1.6            | 3.9         | 1.0           | 14                              | 2.4                        | 7.0           | .2           | .0                         | .3                           | 34               | 55               | 18                            | 6             | 52  | 6.8 | 90    | 74               |  |
| (81) KINGSLEY LAKE AT CAMP BLANDING, FLA.       |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| Aug. 12, 1924.....                              | --                   | 1.0                        | --        | 2.2          | 1.0            | 3.5         | --            | 4                               | 2.9                        | 8.0           | --           | --                         | --                           | 20               | 22               | --                            | --            | 36  | --  | 8     | --               |  |
| Nov. 27, 1957.....                              | S 3.1                | 1.1                        | 0.01      | 2.2          | 1.0            | 6.2         | 0.5           | 8                               | 5.5                        | 9.0           | 0.1          | 0.0                        | 0.0                          | 30               | 37               | 10                            | 3             | 54  | 6.4 | 5     | --               |  |
| Oct. 1, 1958.....                               | S 2.8                | 1.2                        | .00       | 2.8          | .9             | 7.4         | --            | 8                               | 5.2                        | 10            | .1           | .0                         | .0                           | 32               | --               | 10                            | 4             | 57  | 6.2 | 5     | 81               |  |
| Dec. 31, 1959.....                              | S 3.0                | 1.9                        | .03       | 3.0          | .9             | 4.7         | .6            | 8                               | 5.2                        | 8.2           | .1           | .1                         | .0                           | 29               | 31               | 11                            | 4             | 53  | 6.6 | 7     | 56               |  |
| June 22, 1960.....                              | S 2.8                | .3                         | .01       | 3.4          | .7             | 5.1         | .2            | 8                               | 5.6                        | 8.5           | .0           | .0                         | .0                           | 28               | --               | 12                            | 5             | 53  | 5.9 | 5     | 82               |  |
| (38) NORTH FORK BLACK CREEK NEAR HIGHLAND, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| Dec. 17, 1957.....                              | 25                   | 10                         | 0.10      | 13           | 4.7            | 20          | 0.4           | 0                               | 119                        | 8.5           | 0.2          | 0.7                        | --                           | 172              | 190              | 52                            | 62            | 288                                       | 4.4 | 30    | --               |  |
| Oct. 1-3, 1958.....                             | 10                   | 10                         | .07       | 19           | 3.3            | 87          | 1.8           | 2                               | 185                        | 10            | .1           | .4                         | 0.1                          | 298              | 324              | 61                            | 60            | 483                                       | 5.0 | 10    | --               |  |
| Oct. 4.....                                     | 22                   | --                         | --        | --           | --             | --          | --            | 4                               | 92                         | --            | --           | --                         | --                           | --               | --               | 41                            | 38            | 291                                       | 5.1 | 55    | 76               |  |
| Oct. 5-8.....                                   | 23                   | 9.0                        | .18       | 7.6          | 2.4            | 14          | .9            | 7                               | 132                        | 10            | .4           | .1                         | --                           | 80               | 138              | 29                            | 24            | 130                                       | 5.8 | 180   | --               |  |
| Oct. 9-16, 19-20.....                           | 14                   | 9.4                        | .08       | 13           | 2.8            | 41          | 1.4           | 4                               | 100                        | 10            | .3           | .3                         | .1                           | 180              | 211              | 44                            | 40            | 286                                       | 5.4 | 90    | --               |  |
| Oct. 16-18.....                                 | 8.4                  | 10                         | .03       | 17           | 3.3            | 72          | 1.8           | 4                               | 199                        | 10            | .2           | .6                         | .0                           | 316              | 336              | 56                            | 52            | 492                                       | 5.0 | 20    | --               |  |
| Oct. 21-23.....                                 | 44                   | 10                         | .14       | 8.4          | 5.8            | 13          | .8            | 6                               | 30                         | 12            | .4           | .7                         | .1                           | 84               | 143              | 45                            | 40            | 131                                       | 6.1 | 150   | --               |  |
| Oct. 24-28, 31.....                             | 37                   | 11                         | .09       | 14           | 2.2            | 36          | 1.0           | 4                               | 90                         | 9.2           | .3           | .1                         | .1                           | 166              | 200              | 44                            | 40            | 271                                       | 5.3 | 90    | --               |  |
| Oct. 29-30.....                                 | 14                   | 11                         | .04       | 24           | 4.9            | 50          | 1.4           | 3                               | 189                        | 9.5           | .1           | .2                         | .2                           | 272              | 300              | 80                            | 78            | 430                                       | 4.9 | 5     | --               |  |
| Nov. 8-12.....                                  | 96                   | 8.8                        | .17       | 5.2          | 1.5            | 8.9         | .5            | 7                               | 23                         | 10            | .4           | .1                         | .5                           | 63               | 111              | 19                            | 14            | 87  | 5.6 | 240   | --               |  |
| Nov. 13-20.....                                 | 24                   | 9.3                        | .11       | 9.2          | 2.2            | 28          | .7            | 4                               | 61                         | 8.8           | .3           | .0                         | .3                           | 122              | 155              | 32                            | 28            | 199                                       | 5.1 | 140   | --               |  |
| Nov. 21-30.....                                 | 24                   | 8.5                        | .14       | 7.2          | 1.5            | 20          | .7            | 6                               | 35                         | 8.8           | .3           | .0                         | .2                           | 85               | 117              | 24                            | 19            | 140                                       | 5.6 | 150   | --               |  |
| Dec. 1-10.....                                  | 83                   | 8.4                        | .17       | 5.5          | 1.5            | 13          | .5            | 4                               | 20                         | 9.8           | .4           | .0                         | .1                           | 61               | 107              | 20                            | 16            | 105                                       | 5.1 | 180   | --               |  |
| Dec. 11-20.....                                 | 119                  | 9.7                        | .16       | 5.2          | 1.2            | 8.1         | .5            | 4                               | 23                         | 9.5           | .3           | .1                         | .0                           | 57               | 98               | 18                            | 14            | 89  | 5.1 | 160   | --               |  |
| Dec. 21.....                                    | 43                   | --                         | --        | --           | --             | 13          | .2            | 4                               | 23                         | 8.0           | .1           | --                         | --                           | --               | --               | 20                            | 17            | 119                                       | 5.1 | 120   | 47               |  |
| Dec. 22.....                                    | 34                   | --                         | --        | --           | --             | 9.5         | .1            | 6                               | 15                         | --            | .2           | --                         | --                           | --               | --               | 17                            | 12            | 85  | 5.6 | 130   | 43               |  |
| Dec. 23-26.....                                 | 30                   | 12                         | .13       | 7.6          | 1.7            | 19          | .3            | 3                               | 46                         | 8.0           | .2           | .2                         | --                           | 97               | 125              | 26                            | 24            | 165                                       | 5.0 | 120   | --               |  |
| Dec. 27-31, Jan. 1-13, 16-20, 1959              | 170                  | 8.4                        | .07       | 4.4          | .7             | 9.2         | .2            | 4                               | 15                         | 8.0           | .2           | .1                         | --                           | 48               | 82               | 14                            | 10            | 84  | 5.2 | 150   | --               |  |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection   | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (38) NORTH FORK BLACK CREEK NEAR HIGHLAND, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Jan. 14-15, 1959..   | 48                   | 7.4                        | --        | 6.4          | 1.2            | 17          | 0.3           | 5                               | 34                         | 8.0           | 0.1          | 0.4                        | --                           | 77               | --               | 21                            | 17            | 134                                       | 5.8 | 120   | --               |
| Jan. 21-31.....  | 51                   | 7.4                        | 0.13      | 3.8          | 1.0            | 11          | .2            | 4                               | 16                         | 8.0           | .2           | .2                         | --                           | 50               | 81               | 13                            | 10            | 88  | 5.4 | 170   | --               |
| Feb. 1-8.....  | 59                   | 7.1                        | .10       | 4.8          | 1.0            | 13          | .2            | 4                               | 24                         | 8.5           | .1           | .2                         | --                           | 61               | 82               | 16                            | 12            | 105                                       | 5.8 | 170   | --               |
| Feb. 9-10.....   | 192                  | 6.5                        | --        | 3.2          | 1.0            | 7.1         | .1            | 4                               | 10                         | 9.0           | .2           | 3.6                        | --                           | 43               | --               | 12                            | 8             | 85  | 5.3 | 200   | --               |
| Feb. 11-20.....  | 62                   | 7.0                        | .14       | 4.8          | 1.7            | 14          | .3            | 4                               | 28                         | 8.0           | .1           | .1                         | --                           | 66               | 100              | 19                            | 16            | 119                                       | 5.2 | 220   | --               |
| Feb. 21-24.....  | 32                   | 7.1                        | .09       | 8.4          | 2.4            | 19          | .4            | 2                               | 54                         | 8.5           | .1           | .1                         | --                           | 101              | 122              | 31                            | 30            | 184                                       | 4.8 | 80    | --               |
| Feb. 25-28, Mar. 1-4.....                                  | 270                  | 6.6                        | .16       | 4.0          | .7             | 6.8         | .3            | 6                               | 11                         | 6.5           | .2           | .1                         | --                           | 40               | 72               | 13                            | 8             | 72  | 5.5 | 200   | --               |
| Mar. 5-7.....  | 293                  | 5.5                        | .13       | 2.4          | .5             | 4.7         | .1            | 4                               | 8.8                        | 8.0           | .1           | .3                         | --                           | 29               | 54               | 8                             | 4             | 50  | 5.2 | 180   | --               |
| Mar. 8-14.....   | 123                  | 5.7                        | .13       | 4.0          | 1.2            | 7.5         | .1            | 4                               | 15                         | 7.0           | .1           | .2                         | --                           | 43               | 76               | 15                            | 12            | 77  | 5.2 | 180   | --               |
| Mar. 15-20.....  | 706                  | 5.1                        | .03       | 2.4          | .7             | 4.2         | .2            | 3                               | 7.2                        | 3.8           | .2           | .2                         | --                           | 26               | 56               | 9                             | 6             | 42  | 5.4 | 120   | --               |
| Mar. 21-31.....  | 199                  | 3.9                        | .11       | 3.8          | 1.0            | 6.8         | .2            | 3                               | 14                         | 8.0           | .2           | .3                         | --                           | 38               | 65               | 14                            | 11            | 70  | 5.6 | 140   | --               |
| Apr. 1-16.....   | 118                  | 4.2                        | .11       | 3.8          | 1.0            | 7.6         | .2            | 4                               | 14                         | 6.5           | .2           | .4                         | --                           | 40               | 72               | 14                            | 10            | 74  | 5.5 | 160   | --               |
| Apr. 17-19.....  | 42                   | 5.1                        | .06       | 5.6          | 1.2            | 16          | .3            | 5                               | 26                         | 7.5           | .2           | .2                         | --                           | 65               | 94               | 19                            | 15            | 116                                       | 6.1 | 90    | --               |
| Apr. 20-25.....  | 206                  | 4.8                        | .14       | 3.0          | 1.1            | 6.9         | .2            | 4                               | 10                         | 8.0           | .3           | .4                         | --                           | 35               | 77               | 12                            | 8             | 61  | 5.7 | 240   | --               |
| Apr. 26-28.....  | 54                   | 5.6                        | .06       | 4.0          | 1.5            | 15          | .2            | 3                               | 25                         | 6.5           | .2           | .5                         | --                           | 60               | 102              | 16                            | 14            | 109                                       | 5.5 | 160   | --               |
| Apr. 29-30, May 1-9  | 25                   | 6.4                        | .09       | 7.6          | 1.9            | 24          | .4            | 4                               | 54                         | 8.0           | .2           | .7                         | --                           | 105              | 130              | 27                            | 24            | 188                                       | 5.7 | 90    | --               |
| May 10-13.....   | 20                   | 6.8                        | .07       | 10           | 1.9            | 33          | .5            | 6                               | 78                         | 8.5           | .1           | .3                         | --                           | 142              | 166              | 33                            | 28            | 246                                       | 6.6 | 65    | --               |
| May 14-16.....   | 99                   | 5.3                        | .12       | 3.8          | 1.2            | 11          | .2            | 4                               | 15                         | 6.0           | .3           | .2                         | --                           | 45               | 95               | 14                            | 11            | 83  | 5.6 | 240   | --               |
| May 17-20.....   | 58                   | 5.6                        | .17       | 5.6          | 1.5            | 17          | .2            | 6                               | 32                         | 7.0           | .3           | .3                         | --                           | 77               | 118              | 20                            | 15            | 125                                       | 6.2 | 210   | --               |
| May 21-31.....   | 415                  | 5.0                        | .11       | 4.0          | .4             | 6.0         | .0            | 6                               | 9.6                        | 5.2           | .2           | .5                         | --                           | 34               | 73               | 12                            | 6             | 56  | 5.8 | 210   | --               |
| June 1-10.....   | 181                  | 5.9                        | .25       | 3.0          | 1.3            | 5.2         | .0            | 6                               | 4.0                        | 9.0           | .2           | .5                         | --                           | 32               | 68               | 13                            | 8             | 51  | 5.8 | 280   | --               |
| June 11-20.....  | 40                   | 6.7                        | .11       | 3.6          | 1.1            | 6.9         | .0            | 9                               | 6.4                        | 8.2           | .2           | .4                         | --                           | 38               | 74               | 14                            | 6             | 65  | 6.3 | 200   | --               |
| June 21, 23-25.....  | 23                   | 5.6                        | .02       | 4.4          | .7             | 6.8         | .4            | 9                               | 8.0                        | 10            | .0           | .3                         | --                           | 40               | 54               | 14                            | 6             | 63  | 5.2 | 160   | --               |
| June 22.....   | 29                   | 33                         | --        | 7.2          | 1.5            | 12          | .5            | 36                              | 9.2                        | --            | --           | .9                         | --                           | --               | 100              | 24                            | 0             | 84  | 6.8 | 240   | 69               |
| June 26-27.....  | 14                   | 6.4                        | --        | 6.8          | .7             | 11          | .5            | 13                              | 19                         | 11            | .0           | 1.1                        | --                           | 62               | 62               | 20                            | 10            | 94  | 6.9 | 140   | --               |
| June 28.....   | 15                   | 6.9                        | --        | 8.8          | .5             | 12          | .8            | 12                              | 21                         | --            | --           | 1.2                        | --                           | --               | 76               | 24                            | 14            | 104                                       | 6.3 | 220   | 71               |
| June 29-30, July 1-2.....                                  | 13                   | 5.0                        | .02       | 4.4          | 1.5            | 9.9         | .6            | 11                              | 15                         | 9.5           | .0           | .2                         | --                           | 52               | 60               | 17                            | 8             | 80  | 6.5 | 150   | --               |
| July 3-6, 1959....   | 12                   | 6.6                        | .04       | 7.2          | 1.0            | 14          | .7            | 28                              | 28                         | 9.5           | .0           | .4                         | --                           | 50               | 80               | 22                            | 0             | 114                                       | 6.8 | 120   | --               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

| Date of collection   | Mean discharge (cfs) | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |            | Dissolved solids |         | Hardness as CaCO <sub>3</sub> |         | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------|------------------|---------|-------------------------------|---------|---|-----|-------|------------------|
|  |                      | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Calculated | Residue at 180°C | Calcium | Non-carbonate                 |         |   |     |       |                  |
|  |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |            |                  |         |                               | Calcium | Non-carbonate                             |     |       |                  |
| (38) NORTH FORK BLACK CREEK NEAR HIGHLAND, FLA.--Continued |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |            |                  |         |                               |         |   |     |       |                  |
| July 7-14, 1959...   | 14                   | 6.6  | 0.03      | 6.0          | 1.2            | 8.8         | 0.6           | 13                              | 15                         | 11            | 0.0          | 0.2                        | --                           | 56         | 55               | 20      | 10                            | 82      | 6.9                                       | 120 | --    |                  |
| July 15.....   | 180                  | 12   | --        | 8.8          | .5             | 11          | .4            | 10                              | 27                         | --            | --           | .6                         | --                           | 99         | 24               | 18      | 108                           | 5.8     | 180                                       | 68  |       |                  |
| July 16-21.....  | 187                  | 5.5  | .04       | 3.2          | 1.0            | 6.1         | .1            | 8                               | 8.4                        | 7.0           | --           | .3                         | --                           | 36         | 90               | 12      | 6                             | 54      | 5.8                                       | 180 | --    |                  |
| July 22-31, Aug. 1-6.....                                  | 65                   | 7.2  | .13       | 6.4          | .0             | 6.5         | .2            | 11                              | 8.4                        | 9.0           | .4           | .7                         | --                           | 44         | 84               | 16      | 7                             | 59      | 6.5                                       | 220 | --    |                  |
| Aug. 7-9.....  | 38                   | 8.4  | --        | 13           | .0             | 22          | .5            | 9                               | 55                         | 8.0           | .3           | 1.2                        | --                           | 113        | 148              | 32      | 24                            | 173     | 6.3                                       | 180 | --    |                  |
| Aug. 9-10.....   | 30                   | 8.2  | --        | 13           | .0             | 26          | .6            | 9                               | 78                         | 8.0           | .2           | .8                         | --                           | 141        | 180              | 32      | 24                            | 232     | 6.3                                       | 100 | --    |                  |
| Aug. 11.....   | 31                   | --   | --        | 13           | 1.8            | 26          | .9            | 7                               | --                         | --            | --           | --                         | --                           | 168        | 40               | 34      | 233                           | 5.7     | 110                                       | 70  |       |                  |
| Aug. 12.....   | 34                   | --   | --        | 8.0          | 2.4            | 18          | .9            | 7                               | --                         | --            | --           | --                         | --                           | 124        | 30               | 24      | 156                           | 5.8     | 110                                       | 72  |       |                  |
| Aug. 13-17.....  | 39                   | 7.8  | --        | 8.0          | 1.9            | 16          | .5            | 8                               | 41                         | 9.0           | .2           | .9                         | --                           | 89         | 126              | 28      | 22                            | 141     | 6.2                                       | 150 | --    |                  |
| Aug. 19-21.....  | 29                   | 10   | --        | 14           | 1.2            | 20          | .6            | 11                              | 68                         | 8.0           | .2           | .7                         | --                           | 126        | 154              | 40      | 31                            | 196     | 6.0                                       | 100 | --    |                  |
| Aug. 22.....   | 17                   | --   | --        | 17           | 2.3            | 22          | .6            | 9                               | 74                         | --            | --           | --                         | --                           | 166        | 52               | 44      | 227                           | 6.0     | 80  | 67  |       |                  |
| Aug. 23.....   | 16                   | --   | --        | 28           | 1.9            | 33          | --            | 4                               | --                         | --            | --           | --                         | --                           | 234        | 78               | 74      | 344                           | 5.3     | 20  | 70  |       |                  |
| Aug. 24.....   | 14                   | --   | --        | 22           | 6.1            | 33          | 1.0           | 5                               | --                         | --            | --           | --                         | --                           | 234        | 80               | 76      | 346                           | 5.4     | 25  | 69  |       |                  |
| Aug. 25.....   | 11                   | --   | --        | 17           | 3.3            | --          | --            | 7                               | --                         | --            | --           | --                         | --                           | 172        | 56               | 50      | 256                           | 5.8     | 35  | 69  |       |                  |
| Aug. 26.....   | 9.9                  | --   | --        | 14           | 2.2            | 20          | .8            | 5                               | --                         | --            | --           | --                         | --                           | 136        | 44               | 40      | 199                           | 5.5     | 80  | 68  |       |                  |
| Aug. 27.....   | 11                   | --   | --        | 30           | 4.6            | 36          | 1.0           | 6                               | --                         | --            | --           | --                         | --                           | 278        | 94               | 89      | 394                           | 5.6     | 20  | 89  |       |                  |
| Aug. 28.....   | 11                   | --   | --        | 30           | 3.6            | 36          | 1.0           | 4                               | 152                        | --            | --           | --                         | --                           | 272        | 90               | 86      | 386                           | 5.5     | 10  | 69  |       |                  |
| Aug. 29.....   | 15                   | --   | --        | 32           | 5.4            | 36          | 1.0           | 4                               | 168                        | --            | --           | --                         | --                           | 282        | 102              | 98      | 402                           | 5.2     | 15  | 68  |       |                  |
| Aug. 30-31.....  | 102                  | 7.2  | --        | 6.4          | 1.5            | 4.4         | .4            | 5                               | 14                         | 6.0           | .4           | .2                         | --                           | 43         | 96               | 22      | 18                            | 80      | 5.3                                       | 220 | --    |                  |
| Sept. 1.....   | 168                  | 6.2  | --        | 7.2          | 1.5            | 7.3         | .2            | 6                               | 20                         | 7.0           | --           | --                         | --                           | 52         | 108              | 24      | 19                            | 83      | 5.2                                       | 40  | 69    |                  |
| Sept. 2.....   | 146                  | --   | --        | 4.0          | 2.9            | 7.3         | .3            | 7                               | 20                         | --            | --           | --                         | --                           | 118        | 22               | 16      | 82                            | 5.4     | 220                                       | 68  |       |                  |
| Sept. 3.....   | 110                  | 6.8  | --        | 7.2          | 1.5            | 9.2         | .3            | 5                               | 24                         | 6.0           | --           | --                         | --                           | 58         | 120              | 24      | 20                            | 99      | 5.2                                       | 180 | 67    |                  |
| Sept. 4.....   | 99                   | --   | --        | 7.2          | 2.9            | 9.3         | .3            | 6                               | --                         | --            | --           | --                         | --                           | 118        | 30               | 25      | 101                           | 5.4     | 200                                       | 68  |       |                  |
| Sept. 5.....   | 74                   | 8.0  | --        | 7.2          | 1.9            | 9.8         | .1            | 10                              | 18                         | 7.0           | --           | .3                         | --                           | 57         | 124              | 26      | 18                            | 102     | 5.8                                       | 150 | 68    |                  |
| Sept. 6.....   | 69                   | 7.4  | --        | 8.8          | 1.5            | 13          | .1            | 6                               | 31                         | 6.0           | --           | .2                         | --                           | 71         | 126              | 28      | 23                            | 136     | 5.6                                       | 120 | 70    |                  |
| Sept. 7.....   | 84                   | --   | --        | 11           | 3.0            | 14          | .1            | 8                               | 40                         | --            | --           | --                         | --                           | 158        | 40               | 34      | 158                           | 5.6     | 200                                       | --  |       |                  |
| Sept. 8.....   | 76                   | 7.5  | --        | 11           | 2.6            | 14          | .1            | 2                               | 40                         | --            | --           | .4                         | --                           | 152        | 38               | 36      | 171                           | 4.8     | 260                                       | 69  |       |                  |
| Sept. 9.....   | 84                   | 9.2  | --        | 11           | 3.5            | 15          | .1            | 9                               | 43                         | --            | --           | .4                         | --                           | 146        | 42               | 34      | 151                           | 5.6     | 260                                       | 68  |       |                  |
| Sept. 10.....  | 98                   | 10   | --        | 6.4          | 1.9            | 8.1         | .1            | 6                               | 15                         | 8.0           | --           | --                         | --                           | 52         | 120              | 24      | 19                            | 93      | 5.3                                       | 280 | 73    |                  |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection   | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (38) NORTH FORK BLACK CREEK NEAR HIGHLAND, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Sept. 11, 1959.....  | 121                  | 7.6                        | --        | 6.4          | 1.5            | 7.7         | 0.1           | 6                               | 17                         | 7.0           | --           | --                         | --                           | 50               | 114              | 22                            | 17            | 92  | 5.3 | 250   | 70               |
| Sept. 12.....  | 219                  | --                         | --        | 6.4          | 1.9            | 8.0         | .1            | 4                               | 18                         | --            | --           | --                         | --                           | --               | 110              | 24                            | 20            | 92  | 5.0 | 220   | 70               |
| Sept. 13.....  | 1430                 | --                         | --        | 4.8          | 1.0            | --          | --            | 9                               | --                         | --            | --           | --                         | --                           | --               | 70               | 16                            | 8             | 40  | 5.7 | 180   | 70               |
| Sept. 14.....  | 443                  | --                         | --        | 4.8          | 1.0            | --          | --            | 7                               | --                         | --            | --           | --                         | --                           | --               | 94               | 16                            | 10            | 66  | 5.5 | 100   | 70               |
| Sept. 15.....  | 279                  | 5.3                        | --        | 4.8          | 1.0            | 5.1         | .5            | 7                               | 9.2                        | 5.0           | --           | 0.5                        | --                           | 36               | 104              | 16                            | 10            | 66  | 5.4 | 200   | 66               |
| Sept. 16.....  | 602                  | 5.8                        | --        | 4.8          | 1.0            | 5.0         | .1            | 6                               | 11                         | 6.0           | --           | .3                         | --                           | 37               | 98               | 16                            | 11            | 64  | 5.5 | 200   | 63               |
| Sept. 17.....  | 720                  | 5.2                        | --        | 4.0          | .5             | 4.4         | .1            | 4                               | 7.2                        | 5.0           | --           | .5                         | --                           | 29               | 70               | 12                            | 8             | 57  | 5.0 | 210   | 66               |
| Sept. 18.....  | 370                  | 5.0                        | --        | 4.0          | .5             | 4.4         | .1            | 5                               | 8.0                        | 6.0           | --           | .6                         | --                           | 31               | 66               | 12                            | 8             | 58  | 5.1 | 200   | 72               |
| Sept. 19.....  | 258                  | 5.8                        | --        | 4.0          | .5             | 4.4         | .4            | 4                               | 8.0                        | 4.0           | --           | .6                         | --                           | 30               | 74               | 12                            | 8             | 56  | 5.2 | 210   | 69               |
| Sept. 20.....  | 630                  | 4.2                        | --        | 3.2          | 1.0            | 4.4         | .4            | 3                               | 7.2                        | 6.0           | --           | .4                         | --                           | 28               | 62               | 12                            | 10            | 57  | 5.0 | 280   | 63               |
| Sept. 21.....  | 323                  | 5.0                        | --        | 3.2          | 1.0            | 4.8         | .4            | 8                               | 7.6                        | 5.0           | --           | .5                         | --                           | 31               | 62               | 12                            | 7             | 56  | 5.2 | 220   | 64               |
| Sept. 22.....  | 169                  | 4.4                        | --        | 4.0          | 1.5            | 6.2         | .4            | 5                               | 10                         | --            | --           | --                         | --                           | 68               | 16               | 12                            | 71            | 5.2                                       | 200 | 64    |                  |
| Sept. 23.....  | 115                  | 6.0                        | --        | 5.6          | 1.5            | 9.5         | .5            | 4                               | 22                         | 8.0           | --           | .3                         | --                           | 55               | 80               | 20                            | 16            | 68  | 5.3 | 160   | 61               |
| Sept. 24.....  | 88                   | 5.0                        | --        | 6.4          | 2.4            | 12          | .5            | 8                               | 25                         | 7.0           | --           | --                         | --                           | 61               | 90               | 26                            | 22            | 110                                       | 5.2 | 200   | 66               |
| Sept. 25.....  | 75                   | 4.6                        | --        | 8.0          | 1.5            | 13          | .5            | 3                               | 31                         | --            | --           | .2                         | --                           | 60               | 100              | 26                            | 24            | 130                                       | 5.1 | 210   | 67               |
| Sept. 26.....  | 65                   | 6.2                        | --        | 7.2          | 1.9            | 13          | .5            | 5                               | 34                         | 7.0           | --           | .0                         | --                           | 72               | 100              | 26                            | 22            | 134                                       | 5.3 | 160   | 67               |
| Sept. 27-30.....   | 54                   | 5.5                        | --        | 12           | 1.0            | 16          | .8            | 2                               | 47                         | 9.0           | 0.3          | .0                         | --                           | 83               | 114              | 34                            | 32            | 167                                       | 4.7 | 95    | --               |
| Time-weighted average.....                                 | 116                  | 7.2                        | 0.11      | 6.8          | 1.4            | 15          | 0.4           | 6                               | 32                         | 8.1           | 0.2          | 0.3                        | --                           | 75               | 110              | 23                            | 18            | 124                                       | --  | 160   | --               |
| Nov. 11, 1959.....   | 37                   | 7.6                        | 0.04      | 16           | 2.7            | 17          | 0.5           | 0                               | 91                         | 7.0           | 0.1          | 0.6                        | --                           | 143              | 170              | 51                            | 51            | 255                                       | 4.1 | 15    | --               |
| Dec. 31.....   | 16                   | 7.1                        | .04       | 18           | 1.5            | 12          | .6            | 3                               | 67                         | 7.0           | .2           | .0                         | --                           | 115              | 138              | 51                            | 48            | 194                                       | 5.1 | 25    | 54               |
| Jan. 6, 1960.....  | 42                   | 8.3                        | .01       | 24           | 2.4            | 17          | .2            | 2                               | 93                         | 9.0           | .1           | .8                         | 0.0                          | 156              | 170              | 70                            | 68            | 263                                       | 4.7 | 7     | --               |
| Mar. 2.....  | 58                   | 6.0                        | .04       | 17           | 2.1            | 18          | .2            | 5                               | 74                         | 7.5           | .3           | 1.0                        | .0                           | 129              | 183              | 51                            | 47            | 225                                       | 5.0 | 20    | --               |
| Apr. 26.....   | 66                   | 5.3                        | .20       | 12           | 1.5            | 16          | .2            | 7                               | 47                         | 6.5           | .2           | .2                         | .1                           | 92               | 119              | 36                            | 30            | 169                                       | 5.1 | 28    | --               |
| June 22.....   | 30                   | .8                         | .05       | 28           | 2.4            | 22          | 1.9           | 6                               | 106                        | 8.0           | .2           | .2                         | .0                           | 171              | 192              | 80                            | 75            | 280                                       | 5.8 | 20    | --               |
| Aug. 17.....   | 22                   | 6.4                        | .00       | 6.4          | 1.5            | 12          | .5            | 8                               | 20                         | 8.0           | .2           | .3                         | .1                           | 56               | 81               | 22                            | 17            | 103                                       | 5.6 | 100   | 78               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                                | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (microshms at 25°C) | pH  | Color | Temperature (°F) |
|---|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|--|-----|-------|------------------|
|   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium                       | Non-carbonate |  |     |       |                  |
| (63) YELLOW WATER CREEK NEAR MAXVILLE, FLA.       |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |  |     |       |                  |
| Dec. 17, 1957.....                                | --                   | 13                         | 0.19      | 12           | 3.5            | 12          | 0.8           | 48                              | 2.5                        | 18            | 0.1          | 0.1                        | 0.1                          | 88               | 114              | 44                            | 5             | 140                                      | 7.1 | 50    | --               |
| Sept. 30, 1958.....                               | --                   | 11                         | .00       | 8.6          | 1.8            | 10          | --            | 32                              | 4.5                        | 14            | .1           | .2                         | .0                           | 88               | --               | 28                            | 2             | 97                                       | 6.5 | 10    | 74               |
| Mar. 18, 1959.....                                | I 230                | 2.3                        | .22       | 1.6          | .2             | 2.6         | .0            | 3                               | 1.2                        | 4.5           | .2           | --                         | .14                          | 35               | 35               | 5                             | 2             | 26                                       | 5.5 | 110   | --               |
| Dec. 31.....                                      | --                   | 15                         | .55       | 15           | 3.0            | 12          | 1.8           | 86                              | 3.2                        | 18            | .1           | .0                         | .0                           | 98               | 104              | 80                            | 4             | 154                                      | 7.0 | 30    | 56               |
| June 22, 1960.....                                | I 1.4                | 7.0                        | .21       | 9.6          | 2.2            | 8.0         | 4.9           | 33                              | 8.0                        | 14            | .2           | 1.7                        | 1.1                          | 74               | 103              | 33                            | 6             | 124                                      | 6.4 | 65    | 76               |
| (39) NORTH FORK BLACK CREEK NEAR MIDDLEBURG, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |  |     |       |                  |
| Aug. 23, 1957.....                                | 324                  | 7.8                        | 0.36      | 4.4          | 1.2            | 6.0         | 0.0           | 10                              | 6.8                        | 8.2           | 0.3          | 0.5                        | --                           | 40               | 95               | 16                            | 8             | 63                                       | 6.8 | 200   | 75               |
| Dec. 5.....                                       | 68                   | 8.2                        | .07       | 10           | .0             | 10          | .6            | 11                              | 28                         | 12            | .2           | .2                         | --                           | 78               | 97               | 25                            | 16            | 130                                      | 6.3 | 70    | --               |
| Dec. 17.....                                      | 56                   | 8.9                        | .10       | 9.4          | 3.3            | 11          | .4            | 12                              | 31                         | 9.5           | .1           | .1                         | 0.1                          | 80               | 122              | 37                            | 27            | 130                                      | 6.5 | 50    | --               |
| Jan. 29, 1958.....                                | 149                  | 9.3                        | .08       | 5.2          | 1.9            | 7.0         | .6            | 15                              | 5.2                        | 11            | .2           | .4                         | --                           | 48               | 75               | 21                            | 8             | 80                                       | 6.0 | 80    | 51               |
| Mar. 20.....                                      | 344                  | 6.0                        | .17       | 4.0          | 1.5            | 7.2         | .6            | 10                              | 7.0                        | 9.5           | .2           | .2                         | --                           | 41               | 71               | 16                            | 8             | 70                                       | 5.9 | 160   | 57               |
| May 12.....                                       | 51                   | 8.0                        | .12       | 10           | 2.4            | 12          | .8            | 25                              | 26                         | 8.0           | .1           | .4                         | --                           | 80               | 89               | 35                            | 14            | 133                                      | 6.4 | 60    | 69               |
| July 2.....                                       | 52                   | 8.9                        | .25       | 8.6          | 1.8            | 6.3         | .7            | 18                              | 7.5                        | 8.5           | .2           | .5                         | --                           | 48               | 87               | 24                            | 9             | 76                                       | 6.3 | 180   | 75               |
| Sept. 5.....                                      | 42                   | 8.3                        | .22       | 7.2          | 1.7            | 14          | 1.1           | 20                              | 15                         | 9.0           | .4           | 1.1                        | --                           | 68               | 124              | 25                            | 8             | 107                                      | 6.4 | 1000  | --               |
| Oct. 22.....                                      | 101                  | 11                         | .18       | 6.8          | 2.2            | 11          | .8            | 13                              | 17                         | 10            | .3           | .1                         | --                           | 66               | 115              | 26                            | 16            | 105                                      | 6.3 | 200   | --               |
| May 26, 1959.....                                 | 1410                 | 3.6                        | .08       | 2.0          | 1.0            | 3.2         | .0            | 3                               | 4.8                        | 3.5           | .2           | .5                         | --                           | 20               | 71               | 9                             | 6             | 38                                       | 5.2 | 220   | 74               |
| Nov. 18.....                                      | 51                   | 8.6                        | .27       | 8.8          | 1.5            | 3.2         | .0            | 1                               | .8                         | 9.0           | .2           | .2                         | --                           | 25               | 91               | 8                             | 7             | 41                                       | 4.7 | 340   | 60               |
| Jan. 22, 1960.....                                | 46                   | 7.9                        | .00       | 16           | 3.2            | 13          | .0            | 19                              | 46                         | 8.5           | .1           | .3                         | .5                           | 108              | 119              | 53                            | 38            | 174                                      | 6.8 | 7     | 48               |
| Apr. 10.....                                      | 152                  | 5.3                        | .07       | 15           | 1.7            | 16          | .3            | 14                              | 54                         | 7.5           | .1           | .5                         | .1                           | 108              | 117              | 47                            | 36            | 179                                      | 6.8 | 23    | --               |
| May 31.....                                       | 25                   | 1.1                        | .01       | 28           | 3.9            | 20          | 1.9           | 22                              | 96                         | 7.5           | .2           | .5                         | .0                           | 170              | 184              | 86                            | 68            | 279                                      | 6.8 | 5     | --               |
| July 26.....                                      | 297                  | 5.1                        | .08       | 5.8          | 1.0            | 4.4         | .7            | 10                              | 7.6                        | 6.0           | .3           | 1.7                        | .0                           | 38               | 79               | 18                            | 10            | 60                                       | 5.8 | 90    | --               |
| Sept. 23.....                                     | 133                  | 7.0                        | .13       | 5.8          | .7             | 5.2         | .4            | 10                              | 5.6                        | 7.5           | .2           | .1                         | .0                           | 38               | 59               | 18                            | 10            | 61                                       | 6.6 | 125   | --               |
| (54) SANTA FE LAKE NEAR MELROSE, FLA.             |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |  |     |       |                  |
| July 11, 1957.....                                | --                   | 0.6                        | 0.15      | 2.0          | 1.7            | 7.1         | 0.5           | 6                               | 2.5                        | 12            | 0.0          | 0.2                        | --                           | 30               | 47               | 12                            | 7             | 60                                       | 6.0 | 10    | 88               |
| Nov. 26.....                                      | S 6.8                | .8                         | .02       | 2.4          | 1.3            | 7.8         | .4            | 4                               | 7.5                        | 12            | .0           | .2                         | 0.0                          | 33               | 40               | 9                             | 6             | 61                                       | 5.8 | 15    | --               |
| Oct. 1, 1958.....                                 | S 8.0                | 1.6                        | .03       | 2.4          | 1.2            | 7.0         | .6            | 4                               | 3.5                        | 12            | .1           | .0                         | .0                           | 30               | 48               | 11                            | 8             | 63                                       | 5.8 | 25    | 84               |
| Mar. 19, 1959.....                                | S 10.1               | .5                         | .09       | 2.6          | 1.2            | 6.8         | .1            | 2                               | 5.2                        | 13            | .1           | 1.0                        | --                           | 32               | 45               | 12                            | 10            | 64                                       | 5.3 | 20    | 60               |
| Dec. 30.....                                      | S 8.4                | 6.0                        | .08       | 2.2          | 1.5            | 7.6         | .6            | 4                               | 5.2                        | 12            | .1           | .2                         | .5                           | 38               | 54               | 12                            | 8             | 62                                       | 5.7 | 45    | 63               |
| June 23, 1960.....                                | S 8.3                | .0                         | .08       | 3.0          | .6             | 7.5         | .4            | 5                               | 2.6                        | 12            | .1           | .0                         | .1                           | 28               | 33               | 10                            | 6             | 59                                       | 5.7 | 40    | 84               |



Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                           | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids. |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|-------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calc-ulated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (28) LITTLE SANTA FE LAKE NEAR MELROSE, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                   |                  |                               |               |   |     |       |                  |
| Nov. 26, 1957.....                           |                      | 1.0                        | 0.03      | 8.4          | 1.7            | 7.8         | 0.2           | 25                              | 5.0                        | 12            | 0.1          | 0.1                        |                              | 49                | 72               | 28                            | 8             | 92  | 7.1 | 65    | --               |
| Oct. 1, 1958.....                            |                      | 2.1                        | .01       | 2.4          | 1.1            | 4.8         | --            | 4                               | .0                         | 12            | .2           | .0                         | 0.2                          | 25                | --               | 10                            | 7             | 66  | 5.5 | 60    | 85               |
| Jan. 20, 1960.....                           |                      | 7.5                        | .03       | 2.0          | 1.0            | 8.0         | .4            | 5                               | 4.4                        | 11            | .1           | .2                         | .1                           | 35                | 50               | 9                             | 5             | 56  | 5.8 | 50    | 54               |
| June 23.....                                 |                      | .4                         | .06       | 2.4          | 1.0            | 6.2         | .1            | 4                               | 2.0                        | 11            | .0           | .0                         | .1                           | 25                | 42               | 10                            | 6             | 56  | 5.4 | 55    | 85               |
| (16) HAMPTON LAKE AT HAMPTON BEACH, FLA.     |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                   |                  |                               |               |   |     |       |                  |
| Feb. 3, 1958.....                            |                      | 1.5                        | 0.02      | 3.6          | 1.0            | 6.4         | 0.6           | 1                               | 12                         | 11            | 0.1          | 0.2                        | 0.0                          | 37                | 58               | 13                            | 12            | 72  | 4.9 | 70    | 52               |
| Oct. 2.....                                  |                      | 2.7                        | .01       | 2.2          | 1.5            | 7.6         | --            | 2                               | 10                         | 11            | .2           | .2                         | .0                           | 36                | --               | 12                            | 10            | 67  | 5.1 | 10    | 83               |
| Mar. 20, 1959.....                           |                      | 1.0                        | .02       | 2.4          | 1.2            | 6.0         | .0            | 2                               | 7.2                        | 9.8           | .1           | .4                         | --                           | 29                | 52               | 11                            | 10            | 63  | 5.0 | 45    | 62               |
| Dec. 31.....                                 |                      | 2.7                        | .14       | 1.4          | 1.6            | 5.9         | .5            | 4                               | 6.0                        | 8.2           | .1           | .1                         | .4                           | 29                | 45               | 10                            | 6             | 53  | 5.5 | 40    | 57               |
| June 23, 1960.....                           |                      | 1.1                        | .05       | 2.0          | 1.0            | 4.3         | .0            | 2                               | 1.6                        | 8.0           | .0           | .0                         | .1                           | 19                | 37               | 9                             | 8             | 46  | 5.2 | 30    | 82               |
| (83) SANTA FE RIVER AT GRAHAM, FLA.          |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                   |                  |                               |               |   |     |       |                  |
| Oct. 3, 1957.....                            | 133                  | 4.1                        | 0.54      | 3.2          | 1.7            | 5.3         | 0.6           | 6                               | 1.0                        | 16            | 0.3          | 0.3                        | --                           | 36                | 112              | 15                            | 10            | 59  | 5.4 | 340   | --               |
| Nov. 19.....                                 | 43                   | 8.6                        | .29       | 12           | 4.6            | 6.8         | .8            | 44                              | 3.5                        | 12            | .4           | .1                         | --                           | 73                | 138              | 49                            | 13            | 120                                       | 6.3 | 360   | 69               |
| Jan. 20, 1958.....                           | 11                   | 5.2                        | .14       | 6.0          | 3.4            | 7.5         | .0            | 19                              | 3.2                        | 16            | .2           | .1                         | --                           | 51                | 118              | 29                            | 14            | 94  | 6.1 | 200   | 48               |
| Feb. 3.....                                  | 14                   | 4.6                        | .05       | 5.6          | 3.4            | 7.9         | .4            | 9                               | 7.5                        | 15            | .3           | .0                         | 0.05                         | 49                | 108              | 28                            | 20            | 91  | 6.0 | 180   | 47               |
| Mar. 17.....                                 | 124                  | 3.6                        | .33       | 2.0          | 1.8            | 6.8         | .6            | 2                               | 6.0                        | 13            | .2           | .3                         | --                           | 36                | 107              | 12                            | 11            | 68  | 5.6 | 240   | 60               |
| May 12.....                                  | 18                   | 4.0                        | .37       | 4.4          | 3.6            | 6.8         | .5            | 18                              | 5.8                        | 12            | .3           | .3                         | --                           | 47                | 113              | 26                            | 11            | 78  | 5.9 | 320   | 68               |
| July 3.....                                  | 46                   | 3.7                        | .25       | 3.0          | 1.9            | 3.6         | .5            | 10                              | 2.2                        | 6.0           | .2           | .3                         | --                           | 27                | 75               | 16                            | 8             | 48  | 5.8 | 200   | 77               |
| Sept. 2.....                                 | 15                   | 6.6                        | .39       | 3.2          | 1.9            | 5.2         | .4            | 5                               | 2.2                        | 10            | .1           | .6                         | .22                          | 33                | 132              | 16                            | 12            | 64  | 5.0 | 500   | --               |
| Oct. 20.....                                 | 30                   | 6.3                        | .24       | 3.6          | 3.4            | 5.1         | .8            | 15                              | 6.8                        | 9.0           | .2           | .2                         | .13                          | 45                | 105              | 23                            | 10            | 53  | 6.2 | 250   | --               |
| Dec. 15.....                                 | 97                   | 4.0                        | .21       | 2.8          | 1.9            | 4.3         | .5            | 4                               | 3.2                        | 8.2           | .2           | .7                         | --                           | 29                | 60               | 15                            | 12            | 55  | 5.2 | 220   | --               |
| Feb. 6, 1959.....                            | 29                   | 4.4                        | .13       | 3.2          | 2.2            | 6.4         | .0            | 5                               | 6.4                        | 12            | .5           | .6                         | --                           | 38                | 98               | 17                            | 13            | 67  | 5.2 | 280   | --               |
| May 28.....                                  | 338                  | 2.2                        | .40       | 1.2          | 1.1            | 3.6         | .1            | 2                               | .4                         | 3.5           | .2           | .5                         | --                           | 14                | 82               | 8                             | 6             | 41  | 4.8 | 300   | --               |
| July 21.....                                 | 136                  | 2.3                        | .52       | 1.8          | 1.1            | 5.6         | .1            | 0                               | 1.2                        | 3.5           | .2           | .7                         | --                           | 17                | 97               | 9                             | 9             | 57  | 4.4 | 340   | --               |
| Sept. 15.....                                | 278                  | 3.5                        | .35       | 2.4          | .6             | 4.3         | .7            | 4                               | .8                         | 8.0           | .2           | .6                         | --                           | 23                | 78               | 8                             | 5             | 49  | 5.0 | 200   | --               |
| Nov. 16.....                                 | 55                   | 1.2                        | .28       | 1.2          | 1.9            | 5.7         | .3            | 2                               | .4                         | 8.0           | .2           | .2                         | --                           | 20                | 87               | 11                            | 10            | 59  | 4.8 | 340   | 58               |
| Jan. 19, 1960.....                           | 18                   | 1.9                        | .16       | 3.6          | 1.7            | 6.6         | .0            | 16                              | .4                         | 12            | .2           | .6                         | --                           | 35                | 97               | 16                            | 3             | 63  | 6.4 | 180   | 56               |
| Mar. 29.....                                 | 124                  | .3                         | .21       | 2.4          | .5             | 5.5         | .0            | 10                              | .4                         | 8.0           | .2           | .4                         | --                           | 23                | 69               | 8                             | 0             | 46  | 5.5 | 190   | 68               |
| May 25.....                                  | 13                   | 1.1                        | .15       | 2.6          | 1.3            | 5.3         | .7            | 3                               | .8                         | 12            | .2           | .3                         | --                           | 26                | 84               | 12                            | 10            | 56  | 5.2 | 300   | --               |
| July 18.....                                 | 798                  | 1.8                        | .18       | 1.8          | .6             | 2.0         | .5            | 0                               | 1.2                        | 4.5           | .2           | .2                         | .0                           | 13                | 60               | 7                             | 7             | 30  | 4.8 | 180   | --               |
| Sept. 14.....                                | --                   | --                         | .24       | --           | --             | --          | --            | --                              | --                         | --            | --           | --                         | .0                           | --                | --               | --                            | --            | --  | --  | --    | --               |

Table 2.--Chemical analyses and temperature of surface waters--Continued

| Date of collection   | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (26) LAKE SAMPSON AT SAMPSON CITY, NEAR STARKE, FLA.                   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| July 9, 1957.....  | S 6.2                | 1.7                        | 0.02      | 9.6          | 3.6            | 15          | 1.6           | 12                              | 4.8                        | 11            | 0.1          | 0.1                        | --                           | 97               | 122              | 39                            | 29            | 174                                       | 6.6 | 15    | 90               |
| Sept. 29, 1958.....  | --                   | 4.0                        | .00       | 8.8          | .5             | 12          | --            | 12                              | 24                         | 10            | .2           | .0                         | 0.0                          | 65               | --               | 24                            | 14            | 118                                       | 6.2 | 80    | 83               |
| Mar. 20, 1959.....   | S 9.6                | 6.2                        | .16       | 6.6          | 2.1            | 2.2         | .7            | 20                              | 2.0                        | 6.0           | .3           | .5                         | --                           | 37               | 97               | 25                            | 5             | 74  | 6.3 | 260   | 66               |
| Dec. 31.....   | S 5.0                | 1.2                        | .30       | 5.0          | 1.6            | 11          | .9            | 6                               | 22                         | 7.5           | .2           | .3                         | .0                           | 53               | 75               | 19                            | 14            | 97  | 6.2 | 65    | 58               |
| June 22, 1960.....   | --                   | .7                         | .21       | 6.4          | 1.2            | 11          | .7            | 5                               | 21                         | 8.0           | .2           | .0                         | .0                           | 52               | 68               | 21                            | 17            | 99  | 5.9 | 45    | 84               |
| (18) HATCHER CREEK NEAR CONFLUENCE OF SANTA FE RIVER NEAR GRAHAM, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Nov. 16, 1957.....   | I 1.0                | 3.2                        | 0.50      | 1.2          | 0.5            | 4.7         | 0.2           | 1                               | 3.5                        | 9.5           | 0.1          | 0.0                        | 0.1                          | 25               | 68               | 5                             | 4             | 53  | 4.7 | 220   | 72               |
| Oct. 2, 1958.....  | I .0                 | 9.2                        | .00       | 13           | 4.5            | 4.4         | --            | 55                              | 2.5                        | 5.5           | .3           | .1                         | .5                           | 70               | --               | 51                            | 6             | 115                                       | 6.5 | 80    | 78               |
| Mar. 18, 1959.....   | --                   | 1.8                        | .20       | .4           | 4              | 2.0         | .0            | 0                               | .4                         | 2.5           | .1           | .5                         | --                           | 8                | 42               | 2                             | 2             | 29  | 4.3 | 100   | 54               |
| Jan. 1, 1960.....  | I 9.2                | 5.1                        | .12       | 3.6          | 1.1            | 3.6         | .0            | 10                              | 1.6                        | 7.2           | .3           | .1                         | 1.1                          | 29               | 50               | 14                            | 6             | 42  | 6.9 | 80    | 54               |
| June 22.....   | --                   | 2.9                        | .42       | 1.4          | 1.0            | 3.9         | .9            | 0                               | .8                         | 8.0           | .3           | .1                         | .4                           | 20               | 78               | 8                             | 8             | 45  | 4.4 | 280   | 73               |
| (49) SAMPSON RIVER AT GRAHAM, FLA.                                     |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Nov. 19, 1957.....   |                      | 2.5                        | 0.02      | 8.8          | 3.4            | 15          | 0.8           | 22                              | 38                         | 9.5           | 0.1          | 0.0                        | 0.3                          | 87               | 96               | 36                            | 18            | 150                                       | 6.7 | 80    | --               |
| Feb. 3, 1958.....  |                      | 2.8                        | .04       | 12           | 4.4            | 16          | .8            | 31                              | 38                         | 12            | .2           | .0                         | .0                           | 101              | 124              | 48                            | 22            | 176                                       | 7.3 | 35    | 49               |
| Oct. 2.....  |                      | 3.2                        | .01       | 8.4          | 2.4            | 11          | --            | 15                              | 22                         | 10            | .3           | .3                         | .1                           | 68               | --               | 31                            | 16            | 126                                       | 6.5 | 40    | 80               |
| Mar. 18, 1959.....   |                      | 3.8                        | .07       | 4.2          | .9             | 5.4         | .1            | 2                               | 4.8                        | 6.5           | .2           | .2                         | --                           | 28               | 87               | 14                            | 12            | 63  | 5.0 | 150   | 57               |
| Dec. 31.....   |                      | 3.6                        | .03       | 6.5          | 2.6            | 9.5         | .9            | 18                              | 20                         | 7.2           | .2           | .2                         | .1                           | 60               | 81               | 28                            | 12            | 106                                       | 6.6 | 70    | 54               |
| June 22, 1960.....   |                      | 2.9                        | .04       | 5.2          | 1.8            | 6.5         | 1.2           | 16                              | 11                         | 6.0           | .3           | .0                         | .0                           | 43               | 70               | 20                            | 8             | 70  | 6.3 | 90    | 78               |
| (48) ROCKY CREEK NEAR LACROSS, FLA.                                    |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Nov. 19, 1957.....   | 3.8                  | 9.0                        | 0.25      | 9.6          | 5.0            | 8.7         | 2.1           | 35                              | 9.0                        | 18            | 0.4          | 0.0                        | 1.4                          | 80               | 106              | 44                            | 16            | 126                                       | 6.6 | 120   | 69               |
| Oct. 3, 1958.....  |                      | 9.6                        | .12       | 10           | 3.6            | 3.5         | .8            | 43                              | 2.5                        | 6.5           | .4           | .0                         | 1.1                          | 99               | 70               | 40                            | 5             | 50  | 7.3 | 45    | 71               |
| Mar. 19, 1959.....   |                      | 3.4                        | .11       | 2.8          | .9             | 2.9         | .1            | 4                               | 4.0                        | 5.5           | .2           | .1                         | --                           | 22               | 49               | 10                            | 7             | 41  | 5.5 | 120   | 55               |
| Jan. 4, 1960.....  |                      | 7.0                        | .07       | 8.0          | 1.9            | 6.9         | 2.4           | 16                              | 6.4                        | 18            | .4           | .0                         | --                           | 59               | 111              | 28                            | 15            | 102                                       | 6.3 | 130   | 87               |
| June 22.....   |                      | 6.7                        | .08       | 6.6          | 2.7            | 6.2         | 2.2           | 11                              | 7.6                        | 12            | .4           | .0                         | .7                           | 51               | 93               | 28                            | 18            | 91  | 6.0 | 90    | 74               |
| (1) ALLIGATOR CREEK NEAR LAWLEY OFF STATE ROADS 16 and 225, FLA.       |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Mar. 18, 1959.....   |                      | 2.9                        | 0.28      | 1.2          | 0.4            | 3.1         | 0.0           | 2                               | 2.0                        | 4.5           | 0.2          | 0.2                        |                              | 16               | 36               | 4                             | 3             | 30  | 5.3 | 90    | 55               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                                      | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|---|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (52) WATER OAK CREEK AT STATE ROAD 26 NEAR STARKE, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Nov. 20, 1957.....                                      | 10                   | 18                         | 0.20      | 10           | 7.2            | 9.2         | 1.2           | 62                              | 2.8                        | 14            | 0.2          | 0.0                        |                              | 94               | 110              | 54                            | 4             | 143                                       | 7.0 | 110   | 65               |
| Mar. 18, 1959.....                                      |                      | 2.3                        | .22       | 2.0          | .2             | 2.8         | 1.1           | 4                               | .8                         | 3.8           | .1           | .2                         |                              | 15               | 36               | 6                             | 2             | 31  | 6.6 | 90    | 56               |
| June 22, 1960.....                                      |                      | 8.0                        | .23       | 3.8          | 1.1            | 3.8         | .9            | 9                               | 2.4                        | 8.0           | .1           | .0                         | 0.1                          | 33               | 58               | 14                            | 6             | 52  | 6.1 | 90    | 52               |
| (36) NEW RIVER NEAR LAKE BUTLER, FLA.                   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| July 18-20, 1957..                                      | 22                   | 8.2                        | 0.60      | 7.6          | 4.5            | 8.5         | 0.6           | 30                              | 7.8                        | 10            | 0.4          | 0.5                        |                              | 82               | 127              | 38                            | 13            | 97  | 6.2 | 460   |                  |
| July 21-31.....   | 15                   | 14                         | .58       | 11           | 3.8            | 8.5         | .8            | 48                              | 8.0                        | 11            | .4           | .6                         |                              | 84               | 145              | 50                            | 10            | 125                                       | 6.6 | 260   |                  |
| Aug. 1-10.....  | 136                  | 7.5                        | .46       | 5.2          | 2.9            | 8.2         | .7            | 22                              | 5.0                        | 7.8           | .3           | .3                         |                              | 48               | 102              | 28                            | 7             | 72  | 6.2 | 220   |                  |
| Aug. 11-20.....   | 207                  | 11                         | .71       | 4.4          | 2.9            | 5.8         | .6            | 20                              | 4.5                        | 8.2           | .4           | .4                         |                              | 49               | 127              | 23                            | 6             | 69  | 6.1 | 360   |                  |
| Aug. 21-31.....   | 142                  | 7.6                        | .56       | 4.6          | 2.8            | 6.3         | .5            | 18                              | 4.2                        | 9.8           | .3           | .3                         |                              | 46               | 114              | 23                            | 8             | 74  | 6.1 | 230   |                  |
| Sept. 1-10.....   | 43                   | 14                         | .49       | 6.4          | 4.7            | 8.5         | .7            | 32                              | 5.8                        | 11            | .4           | 1.0                        |                              | 69               | 133              | 36                            | 10            | 100                                       | 6.4 | 230   |                  |
| Sept. 11-20.....  | 43                   | 14                         | .50       | 8.8          | 4.1            | 8.3         | .8            | 40                              | 5.0                        | 11            | .4           | .2                         |                              | 73               | 125              | 39                            | 6             | 107                                       | 6.7 | 280   |                  |
| Sept. 21-30.....  | 107                  | 10                         | .51       | 7.8          | 1.1            | 7.2         | .8            | 22                              | 4.0                        | 10            | .4           | .2                         |                              | 83               | 112              | 24                            | 6             | 79  | 6.5 | 250   |                  |
| Oct. 1-10.....  | 290                  | 11                         | .44       | 4.8          | 2.3            | 7.6         | .8            | 21                              | 3.2                        | 10            | .4           | .2                         |                              | 51               | 112              | 22                            | 4             | 76  | 6.4 | 280   |                  |
| Oct. 11-20.....   | 63.3                 | 11                         | .49       | 7.0          | 2.8            | 8.7         | .5            | 26                              | 3.5                        | 11            | .3           | .9                         |                              | 59               | 130              | 29                            | 8             | 90  | 6.4 | 360   |                  |
| Oct. 21-31.....   | 15.8                 | 13                         | .47       | 10           | 7.1            | 10          | 1.0           | 53                              | 5.0                        | 14            | .4           | 1.6                        |                              | 89               | 145              | 54                            | 10            | 131                                       | 6.8 | 250   |                  |
| Nov. 1-10.....  | 8.1                  | 10                         | .29       | 18           | 6.8            | 10          | 1.2           | 69                              | 8.5                        | 14            | .3           | 2.9                        |                              | 107              | 146              | 73                            | 16            | 180                                       | 6.9 | 200   |                  |
| Nov. 11-20.....   | 6.4                  | 13                         | .20       | 20           | 8.6            | 10          | 1.6           | 94                              | 6.8                        | 14            | .4           | 3.9                        |                              | 124              | 149              | 86                            | 8             | 203                                       | 7.1 | 130   |                  |
| Nov. 21-30.....   | 7.2                  | 14                         | .09       | 22           | 10             | 12          | 1.7           | 109                             | 8.5                        | 15            | .4           | 3.9                        |                              | 143              | 160              | 96                            | 6             | 239                                       | 7.1 | 90    |                  |
| Dec. 1-14.....  | 17.5                 | 12                         | .17       | 16           | 7.8            | 10          | 1.3           | 73                              | 8.5                        | 15            | .3           | 1.7                        |                              | 109              | 151              | 72                            | 12            | 182                                       | 6.8 | 180   |                  |
| Dec. 15-21.....   | 14.9                 | 13                         | .17       | 14           | 7.1            | 9.0         | .6            | 66                              | 5.8                        | 15            | .2           | 2.1                        |                              | 100              | 125              | 64                            | 10            | 170                                       | 6.7 | 120   |                  |
| Dec. 22-31.....   | 13.2                 | 13                         | .23       | 16           | 8.3            | 10          | .7            | 80                              | 6.8                        | 15            | .2           | 1.2                        |                              | 112              | 135              | 74                            | 8             | 187                                       | 7.0 | 120   |                  |
| Jan. 1-10, 1958..                                       | 18.5                 | 18                         | .19       | 16           | 8.3            | 11          | .9            | 82                              | 7.0                        | 16            | .2           | 1.2                        |                              | 119              | 160              | 74                            | 7             | 192                                       | 7.0 | 110   |                  |
| Jan. 11-20.....   | 45.8                 | 16                         | .24       | 11           | 6.3            | 11          | 1.1           | 51                              | 9.0                        | 19            | .2           | .5                         |                              | 89               | 130              | 54                            | 12            | 159                                       | 6.7 | 120   |                  |
| Jan. 21-31.....   | 66.0                 | 12                         | .25       | 9.6          | 4.0            | 9.0         | .3            | 33                              | 7.2                        | 18            | .2           | .3                         |                              | 77               | 116              | 40                            | 14            | 128                                       | 6.5 | 140   |                  |
| Feb. 1-10.....  | 57.4                 | 11                         | .25       | 8.6          | 4.9            | 12          | .3            | 33                              | 7.2                        | 20            | .2           | .2                         |                              | 81               | 119              | 42                            | 14            | 131                                       | 6.5 | 130   |                  |
| Feb. 11-19.....   | 69.4                 | 11                         | .16       | 8.2          | 4.5            | 9.5         | .2            | 31                              | 6.0                        | 20            | .2           | .4                         |                              | 75               | 116              | 39                            | 14            | 127                                       | 6.5 | 110   |                  |
| Feb. 20-28.....   | 237                  | 7.7                        | .27       | 7.6          | 3.6            | 8.5         | .6            | 29                              | 5.0                        | 16            | .2           | .8                         |                              | 64               | 100              | 34                            | 10            | 114                                       | 6.4 | 110   |                  |
| Mar. 1-10.....  | 998                  | 5.8                        | .29       | 3.8          | 2.3            | 6.0         | .6            | 15                              | 4.0                        | 12            | .2           | .2                         |                              | 43               | 92               | 19                            | 6             | 74  | 6.0 | 160   |                  |
| Mar. 11-20.....   | 427                  | 5.3                        | .38       | 4.6          | 2.1            | 6.5         | .6            | 14                              | 4.2                        | 12            | .2           | .3                         |                              | 43               | 105              | 20                            | 8             | 75  | 5.9 | 220   |                  |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

| Date of collection                               | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |    |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|----|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |    |
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | lated            | at 180°C         |                               |               |   |     |       |                  |    |
| (36) NEW RIVER NEAR LAKE BUTLER, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |    |
| Mar. 21-31, 1958..                               | 301                  | 6.3                        | 0.40      | 8.0          | 2.4            | 7.5         | 0.6           | 20                              | 4.5                        | 14            | 0.2          | 0.8                        |                              | 53               | 105              | 25                            | 8             | 81  | 8.2 | 180   |                  |    |
| Apr. 1-10.....                                   | 118                  | 6.8                        | .46       | 5.8          | 2.8            | 8.0         | .7            | 22                              | 3.0                        | 14            | .2           | .5                         |                              | 53               | 109              | 26                            | 8             | 82  | 8.2 | 210   |                  |    |
| Apr. 11-20.....                                  | 482                  | 5.7                        | .33       | 6.8          | 1.8            | 6.5         | .7            | 23                              | 3.5                        | 10            | .2           | .1                         |                              | 47               | 95               | 24                            | 6             | 83  | 8.3 | 170   |                  |    |
| Apr. 21-30.....                                  | 240                  | 11                         | .41       | 7.2          | 2.9            | 8.0         | .3            | 31                              | 3.8                        | 11            | .2           | .8                         |                              | 61               | 113              | 30                            | 4             | 98  | 8.4 | 220   |                  |    |
| May 1-10.....                                    | 115                  | 12                         | .54       | 5.8          | 3.3            | 8.5         | .4            | 28                              | 3.8                        | 10            | .2           | .3                         |                              | 58               | 121              | 28                            | 5             | 89  | 8.4 | 280   |                  |    |
| May 11-20.....                                   | 26.6                 | 10                         | .43       | 8.4          | 4.5            | 8.5         | .3            | 39                              | 5.0                        | 11            | .2           | .9                         |                              | 68               | 117              | 40                            | 8             | 112                                       | 8.6 | 280   |                  |    |
| May 21-31.....                                   | 34.8                 | 9.8                        | .38       | 5.8          | 4.4            | 8.5         | .8            | 42                              | 6.0                        | 11            | .3           | .9                         |                              | 72               | 117              | 42                            | 8             | 118                                       | 8.6 | 210   |                  |    |
| June 1-10.....                                   | 22.6                 | 8.8                        | .44       | 8.8          | 3.9            | 7.0         | .5            | 36                              | 5.5                        | 10            | .2           | .4                         |                              | 64               | 124              | 38                            | 8             | 106                                       | 8.5 | 280   |                  |    |
| June 11-19.....                                  | 4.7                  | 17                         | .34       | 14           | 6.9            | 11          | 1.0           | 70                              | 6.0                        | 12            | .3           | 1.3                        |                              | 104              | 142              | 64                            | 6             | 186                                       | 7.0 | 230   |                  |    |
| June 20-24.....                                  | 10.7                 | 13                         | .27       | 18           | 9.0            | 10          | 1.7           | 95                              | 8.8                        | 13            | .4           | 4.0                        |                              | 125              | 146              | 82                            | 4             | 201                                       | 7.4 | 120   |                  |    |
| June 25-July 10...                               | 286                  | 7.3                        | .28       | 5.6          | 3.2            | 5.7         | .7            | 18                              | 6.8                        | 9.2           | .3           | 1.2                        |                              | 49               | 95               | 27                            | 12            | 80  | 8.3 | 220   |                  |    |
| July 11-19.....                                  | 182                  | 7.4                        | .50       | 4.8          | 2.4            | 6.1         | .7            | 18                              | 5.8                        | 9.2           | .3           | 1.3                        |                              | 46               | 117              | 22                            | 9             | 71  | 8.1 | 320   |                  |    |
| July 20-31.....                                  | 121                  | 6.1                        | .42       | 4.4          | 2.7            | 5.1         | .6            | 18                              | 5.5                        | 9.0           | .3           | 1.0                        |                              | 44               | 97               | 22                            | 7             | 67  | 8.2 | 250   |                  |    |
| Aug. 1-10.....                                   | 89.6                 | 6.9                        | .39       | 5.8          | 3.4            | 5.7         | .6            | 23                              | 3.8                        | 10            | .3           | 1.2                        |                              | 49               | 102              | 28                            | 9             | 82  | 8.5 | 220   |                  |    |
| Aug. 11-20.....                                  | 301                  | 7.6                        | .31       | 5.0          | 1.8            | 4.9         | .5            | 16                              | 2.5                        | 7.5           | .2           | .4                         |                              | 39               | 90               | 20                            | 7             | 61  | 8.1 | 240   |                  |    |
| Aug. 21-31.....                                  | 123                  | 6.5                        | .62       | 5.6          | 1.5            | 5.3         | .5            | 15                              | 2.5                        | 9.0           | .2           | .7                         |                              | 40               | 113              | 20                            | 8             | 82  | 8.1 | 320   |                  |    |
| Sept. 1-10.....                                  | 23.2                 | 7.7                        | .22       | 8.2          | 3.3            | 6.3         | .9            | 30                              | 4.2                        | 10            | .3           | .9                         |                              | 57               | 120              | 34                            | 10            | 89  | 8.8 | 360   |                  |    |
| Sept. 11-20.....                                 | 10.0                 | 9.9                        | .45       | 16           | 3.2            | 8.0         | 1.4           | 50                              | 5.5                        | 12            | .3           | 2.0                        |                              | 84               | 132              | 53                            | 12            | 131                                       | 8.9 | 280   |                  |    |
| Sept. 21-30.....                                 | 4.5                  | 12                         | .30       | 18           | 6.7            | 8.5         | 1.7           | 78                              | 7.2                        | 12            | .3           | 2.1                        |                              | 107              | 138              | 72                            | 8             | 177                                       | 7.2 | 180   |                  |    |
| Time-weighted average.....                       | 129                  | 10                         | 0.38      | 9.3          | 4.4            | 8.1         | 0.8           | 40                              | 5.5                        | 12            | 0.3          | 1.0                        |                              | 72               | 121              | 41                            | 8             | 116                                       | --  | 220   |                  |    |
| Oct. 23, 1958.....                               | 6.6                  | 12                         | 0.09      | 30           | 7.8            | 15          | 2.8           | 114                             | 11                         | 16            | 0.6          | 7.7                        | 2.9                          | 159              | 189              | 106                           | 12            | 273                                       | 7.2 | 100   |                  | -- |
| Feb. 5, 1959.....                                | 273                  | 7.3                        | .23       | 5.0          | 2.2            | 5.6         | .0            | 11                              | 5.6                        | 9.8           | .3           | .7                         | --                           | 42               | 86               | 22                            | 12            | 73  | 8.6 | 200   |                  | -- |
| May 26.....                                      | 989                  | 3.6                        | .32       | 5.6          | 1.2            | 2.6         | .1            | 15                              | 4.4                        | 4.5           | .2           | 1.2                        | --                           | 31               | 78               | 19                            | 6             | 49  | 6.2 | 220   |                  | -- |
| July 23.....                                     | 245                  | 3.9                        | .21       | 4.6          | .9             | 2.0         | .1            | 9                               | 2.8                        | 3.8           | .3           | 1.8                        | --                           | 25               | 71               | 15                            | 8             | 41  | 5.9 | 150   |                  | -- |
| Sept. 16.....                                    | 1260                 | 4.9                        | .23       | 5.0          | .5             | 2.9         | .7            | 11                              | .8                         | 5.5           | .3           | .7                         | --                           | 27               | 64               | 14                            | 6             | 43  | 5.8 | 100   |                  | -- |
| Nov. 17.....                                     | 33                   | 5.8                        | .26       | 6.8          | 2.9            | 5.2         | .5            | 23                              | 1.2                        | 8.0           | .2           | 1.0                        | --                           | 43               | 100              | 29                            | 10            | 80  | 6.0 | 350   |                  | 64 |
| Jan. 19, 1960.....                               | 19                   | 7.8                        | .23       | 13           | 4.7            | 8.7         | .6            | 35                              | 4.0                        | 12            | .3           | 2.8                        | 1.0                          | 81               | 116              | 52                            | 7             | 137                                       | 7.8 | 120   |                  | 56 |
| Apr. 5.....                                      | 1690                 | 2.6                        | .16       | 4.8          | 2              | 4.6         | .4            | 12                              | 2.8                        | 5.5           | .2           | 1.5                        | .4                           | 28               | 75               | 13                            | 3             | 46  | 6.4 | 120   |                  | -- |
| May 25.....                                      | 3.6                  | 9.3                        | .10       | 14           | 6.8            | 8.3         | 2.4           | 62                              | 4.8                        | 13            | .4           | 2.6                        | 1.2                          | 94               | 123              | 63                            | 12            | 159                                       | 6.9 | 150   |                  | -- |
| July 18.....                                     | 818                  | 3.2                        | .06       | 4.4          | .9             | 2.0         | .7            | 6                               | .8                         | 5.0           | .3           | .3                         | .1                           | 21               | 78               | 14                            | 10            | 38  | 6.9 | 150   |                  | -- |
| Sept. 23.....                                    | 120                  | 3.4                        | .18       | 3.6          | 1.7            | 4.0         | .6            | 10                              | .4                         | 15            | .3           | .0                         | .2                           | 34               | 69               | 16                            | 8             | 49  | 6.8 | 260   |                  | -- |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                       | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (8) BUTLER CREEK NEAR LAKE BUTLER, FLA.  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Nov. 26, 1957.....                       |                      | 1.9                        | 1.4       | 11           | 4.3            | 6.1         | 0.7           | 40                              | 8.0                        | 10            | 0.3          | 1.0                        | 0.2                          | 65               | 146              | 45                            | 12            | 104                                       | 6.6 | 500   | 58               |
| Mar. 18, 1959.....                       |                      | 2.8                        | .13       | 1.6          | .7             | 2.9         | .0            | 0                               | 2.8                        | 4.8           | 0.2          | .1                         | --                           | 16               | 65               | 7                             | 7             | 33  | 4.7 | 280   | 55               |
| Jan. 4, 1960.....                        |                      | 3.8                        | .13       | 3.2          | .5             | 3.3         | .1            | 4                               | .4                         | 7.5           | .2           | .2                         | --                           | 21               | 94               | 10                            | 6             | 47  | 4.8 | 130   | 56               |
| June 22.....                             |                      | 3.0                        | .17       | 2.6          | 1.0            | 3.1         | .2            | 3                               | .4                         | 10            | .1           | .1                         | .0                           | 22               | 69               | 10                            | 8             | 38  | 4.9 | 340   | 76               |
| (22) LAKE BUTLER AT LAKE BUTLER, FLA.    |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| July 10, 1957.....                       | --                   | 0.7                        | 0.02      | 3.2          | 1.8            | 6.8         | 0.8           | 6                               | 6.5                        | 12            | 0.2          | 0.2                        | --                           | 35               | 72               | 16                            | 11            | 72  | 5.8 | 45    | 94               |
| Dec. 19.....                             | --                   | 4.3                        | .05       | 2.4          | 1.8            | 7.8         | .5            | 6                               | 7.2                        | 12            | .1           | .0                         | 0.3                          | 39               | 70               | 14                            | 8             | 69  | 6.1 | 50    | --               |
| Oct. 2, 1958.....                        | S 6.8                | 2.5                        | .00       | 3.0          | 1.1            | 6.7         | --            | 5                               | 5.0                        | 12            | .2           | .0                         | .0                           | 33               | --               | 12                            | 8             | 65  | 5.7 | 40    | 83               |
| Mar. 20, 1959.....                       | S 8.8                | 1.4                        | .02       | 2.2          | 1.2            | 5.0         | .1            | 2                               | 3.2                        | 8.8           | .2           | .1                         | --                           | .23              | 58               | 10                            | 9             | 54  | 5.2 | 70    | 60               |
| Jan. 4, 1960.....                        | S 6.6                | 1.7                        | .01       | 2.4          | .5             | 3.5         | .5            | 7                               | 1.6                        | 6.0           | .2           | .0                         | --                           | 20               | 53               | 8                             | 2             | 40  | 5.8 | 60    | 62               |
| June 22.....                             | S 6.7                | 1.1                        | .09       | 2.4          | .6             | 3.6         | .4            | 6                               | .8                         | 7.0           | .0           | .0                         | .1                           | 19               | 41               | 8                             | 4             | 40  | 5.6 | 65    | 82               |
| (86) SANTA FE RIVER AT WORTHINGTON, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| July 15-21, 1957..                       | 239                  | 13                         | 0.57      | 7.2          | 4.0            | 8.7         | 1.0           | 26                              | 12                         | 10            | 0.4          | 0.2                        |                              | 70               | 137              | 34                            | 13            | 105                                       | 6.4 | 230   | --               |
| July 22-Aug. 2....                       | 311                  | 8.6                        | .43       | 5.8          | 3.5            | 7.2         | 1.0           | 22                              | 10                         | 8.8           | .4           | .3                         |                              | 57               | 115              | 29                            | 11            | 89  | 6.3 | 230   | --               |
| Aug. 11-20.....                          | 620                  | 8.9                        | .49       | 5.2          | 3.0            | 6.8         | 1.1           | 19                              | 8.0                        | 8.5           | .3           | .5                         |                              | 52               | 122              | 26                            | 10            | 77  | 6.1 | 230   | --               |
| Aug. 21-31.....                          | 404                  | 9.2                        | .41       | 5.8          | 3.6            | 7.6         | .8            | 25                              | 7.5                        | 10            | .4           | .4                         |                              | 59               | 121              | 32                            | 11            | 95  | 6.3 | 230   | --               |
| Sept. 1-10.....                          | 155                  | 10                         | .37       | 7.6          | 3.9            | 8.8         | 1.0           | 28                              | 12                         | 12            | .5           | .3                         |                              | 70               | 122              | 35                            | 12            | 108                                       | 6.4 | 230   | --               |
| Sept. 11-20.....                         | 226                  | 14                         | .40       | 8.2          | 3.2            | 8.9         | .5            | 30                              | 7.8                        | 11            | .4           | .4                         |                              | 70               | 120              | 33                            | 9             | 97  | 6.7 | 260   | --               |
| Sept. 21-30.....                         | 336                  | 14                         | .46       | 7.2          | 2.9            | 10          | 1.1           | 30                              | 8.8                        | 11            | .4           | .2                         |                              | 69               | 131              | 30                            | 6             | 100                                       | 6.6 | 320   | --               |
| Oct. 1-10.....                           | 666                  | 8.9                        | .48       | 8.0          | 3.0            | 7.8         | .8            | 19                              | 6.5                        | 11            | .4           | .2                         |                              | 55               | 122              | 28                            | 12            | 84  | 6.4 | 340   | --               |
| Oct. 11-20.....                          | 289                  | 12                         | .36       | 8.0          | 2.9            | 10          | .8            | 28                              | 12                         | 10            | .4           | .2                         |                              | 71               | 124              | 32                            | 9             | 104                                       | 6.6 | 120   | --               |
| Oct. 21-31.....                          | 99                   | 8.8                        | .25       | 11           | 2.3            | 12          | 1.0           | 32                              | 17                         | 12            | .3           | .2                         |                              | 81               | 118              | 37                            | 11            | 131                                       | 6.7 | 180   | --               |
| Nov. 1-10.....                           | 59                   | 7.9                        | .17       | 12           | 6.6            | 13          | 1.2           | 64                              | 22                         | 11            | .3           | .4                         |                              | 107              | 114              | 57                            | 4             | 144                                       | 6.8 | 110   | --               |
| Nov. 11-20.....                          | 56                   | 7.3                        | .49       | 10           | 4.1            | 12          | 1.2           | 42                              | 21                         | 6.2           | .3           | .2                         |                              | 84               | 110              | 42                            | 8             | 141                                       | 6.8 | 200   | --               |
| Nov. 21-30.....                          | 64                   | 8.8                        | .12       | 9.2          | 5.4            | 10          | 1.3           | 39                              | 16                         | 12            | .1           | .5                         |                              | 83               | 110              | 45                            | 13            | 137                                       | 6.8 | 100   | --               |
| Dec. 1-10.....                           | 89                   | 14                         | .14       | 11           | 5.7            | 11          | 1.2           | 48                              | 14                         | 13            | .1           | .2                         |                              | 95               | 121              | 51                            | 12            | 146                                       | 6.8 | 110   | --               |
| Dec. 11-22.....                          | 75                   | 8.8                        | .12       | 10           | 5.1            | 9.8         | 1.0           | 39                              | 13                         | 14            | .1           | .4                         |                              | 82               | 102              | 46                            | 14            | 133                                       | 7.0 | 110   | --               |
| Dec. 23-29.....                          | 58                   | 8.5                        | .16       | 12           | 4.9            | 10          | 1.2           | 43                              | 14                         | 13            | .1           | .3                         |                              | 86               | 107              | 50                            | 15            | 142                                       | 6.7 | 110   | --               |
| Dec. 30-Jan. 10, 1958.....               | 84                   | 10                         | .11       | 11           | 5.8            | 9.0         | .8            | 44                              | 12                         | 14            | .2           | .3                         |                              | 85               | 117              | 50                            | 14            | 147                                       | 7.0 | 94    | --               |
| Jan. 11-20.....                          | 174                  | 11                         | .11       | 9.6          | 6.0            | 9.0         | .6            | 36                              | 11                         | 16            | .2           | .1                         |                              | 81               | 118              | 44                            | 15            | 137                                       | 6.8 | 120   | --               |
| Jan. 21-31.....                          | 227                  | 8.2                        | .16       | 7.6          | 4.3            | 9.0         | .3            | 26                              | 8.5                        | 16            | .2           | .1                         |                              | 67               | 113              | 36                            | 15            | 117                                       | 7.1 | 170   | --               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

| Date of collection                                  | Mean discharge (cfs) | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  | pH | Color | Temperature (°F) |                               |               |   |
|---|----------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|----|-------|------------------|-------------------------------|---------------|---|
|   |                      | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  |    |       |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) |
|   |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C |    |       |                  | Calcium, Magnesium            | Non-carbonate |   |
| (86) SANTA FE RIVER AT WORTHINGTON, FLA.--Continued |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |    |       |                  |                               |               |   |
| Feb. 1-10, 1958...                                  | 194                  | 8.0  | 0.12      | 7.4          | 4.4            | 9.0         | 0.3           | 26                              | 8.0                        | 16            | 0.2          | 0.0                        |                              | 67               | 108              | 36 | 15    | 119              | 6.7                           | 140           |   |
| Feb. 11-20.....                                     | 217                  | 7.8  | .11       | 8.0          | 4.4            | 9.0         | .1            | 28                              | 8.5                        | 17            | .2           | .0                         |                              | 67               | 109              | 38 | 15    | 118              | 6.7                           | 130           |   |
| Feb. 21-28.....                                     | 408                  | 8.9  | .17       | 7.0          | 3.9            | 7.0         | .3            | 25                              | 8.5                        | 18            | .3           | .0                         |                              | 60               | 104              | 34 | 13    | 105              | 6.6                           | 130           |   |
| Mar. 1-10.....                                      | 1980                 | 5.8  | .17       | 4.2          | 1.7            | 8.5         | .3            | 14                              | 2.5                        | 10            | .2           | .2                         |                              | 37               | 87               | 18 | 6     | 72               | 6.2                           | 160           |   |
| Mar. 11-20.....                                     | 1400                 | 7.9  | .20       | 8.0          | 2.4            | 6.5         | .2            | 15                              | 7.5                        | 10            | .2           | .1                         |                              | 47               | 100              | 22 | 10    | 79               | 6.4                           | 260           |   |
| Mar. 21-31.....                                     | 1060                 | 5.8  | .18       | 4.8          | 2.7            | 7.0         | .2            | 14                              | 8.0                        | 11            | .3           | .1                         |                              | 47               | 98               | 23 | 12    | 83               | 6.2                           | 190           |   |
| Apr. 1-10.....                                      | 489                  | 4.0  | .20       | 5.2          | 2.8            | 8.0         | .1            | 14                              | 8.5                        | 11            | .2           | .2                         |                              | 48               | 101              | 24 | 13    | 91               | 6.3                           | 190           |   |
| Apr. 11-20.....                                     | 1040                 | 4.9  | .21       | 4.4          | 2.3            | 8.0         | .1            | 13                              | 8.2                        | 10            | .2           | .2                         |                              | 40               | 92               | 20 | 10    | 74               | 6.2                           | 260           |   |
| Apr. 21-30.....                                     | 720                  | 4.9  | .29       | 4.8          | 2.7            | 8.0         | .1            | 14                              | 8.5                        | 10            | .3           | .2                         |                              | 42               | 103              | 23 | 12    | 78               | 6.3                           | 260           |   |
| May 1-10.....                                       | 612                  | 8.9  | .33       | 5.2          | 2.9            | 8.5         | .1            | 18                              | 8.8                        | 9.0           | .0           | .4                         |                              | 49               | 111              | 25 | 10    | 80               | 6.5                           | 300           |   |
| May 11-20.....                                      | 207                  | 13   | .27       | 6.8          | 2.9            | 8.0         | .0            | 22                              | 9.8                        | 10            | .1           | .3                         |                              | 62               | 111              | 29 | 11    | 94               | 6.8                           | 230           |   |
| May 21-31.....                                      | 194                  | 11   | .27       | 6.4          | 3.6            | 8.0         | .1            | 26                              | 9.0                        | 10            | .1           | .4                         |                              | 62               | 112              | 31 | 10    | 97               | 6.8                           | 220           |   |
| June 1-10.....                                      | 123                  | 14   | .24       | 6.8          | 4.0            | 9.0         | .2            | 31                              | 9.5                        | 10            | .3           | .2                         |                              | 69               | 119              | 34 | 8     | 110              | 6.9                           | 200           |   |
| June 11-19.....                                     | 40                   | 14   | .18       | 10           | 4.1            | 10          | .7            | 36                              | 14                         | 12            | .2           | .4                         |                              | 84               | 124              | 42 | 12    | 132              | 6.9                           | 140           |   |
| June 20-30.....                                     | 285                  | 8.0  | .22       | 7.3          | 3.2            | 6.1         | .8            | 22                              | 13                         | 12            | .4           | 1.0                        |                              | 63               | 99               | 31 | 13    | 93               | 6.5                           | 180           |   |
| July 1-10.....                                      | 983                  | 6.8  | .24       | 4.4          | 2.4            | 4.8         | .4            | 13                              | 7.2                        | 8.0           | .3           | .6                         |                              | 42               | 96               | 21 | 10    | 62               | 6.2                           | 260           |   |
| July 11-20.....                                     | 958                  | 5.9  | .32       | 4.0          | 2.2            | 4.8         | .4            | 11                              | 7.5                        | 8.0           | .3           | .4                         |                              | 39               | 99               | 19 | 10    | 58               | 5.9                           | 260           |   |
| July 21-31.....                                     | 391                  | 8.9  | .37       | 4.4          | 2.9            | 6.1         | .5            | 16                              | 9.2                        | 8.5           | .3           | .6                         |                              | 50               | 104              | 23 | 10    | 70               | 6.2                           | 280           |   |
| Aug. 1-10.....                                      | 225                  | 6.5  | .30       | 5.2          | 2.9            | 8.5         | .5            | 16                              | 12                         | 10            | .3           | .7                         |                              | 53               | 100              | 25 | 12    | 80               | 6.4                           | 220           |   |
| Aug. 11-20.....                                     | 609                  | 6.7  | .28       | 4.4          | 2.3            | 8.2         | .6            | 14                              | 4.0                        | 7.0           | .3           | .2                         |                              | 38               | 94               | 20 | 9     | 64               | 6.2                           | 240           |   |
| Aug. 21-31.....                                     | 472                  | 8.5  | .36       | 5.0          | 2.3            | 5.7         | .8            | 14                              | 5.2                        | 7.8           | .3           | .1                         |                              | 41               | 103              | 22 | 10    | 69               | 6.2                           | 260           |   |
| Sept. 1-10.....                                     | 162                  | 7.0  | .28       | 6.2          | 2.8            | 7.1         | .7            | 20                              | 8.8                        | 9.0           | .3           | .2                         |                              | 52               | 102              | 27 | 10    | 86               | 6.5                           | 220           |   |
| Sept. 11-20.....                                    | 78                   | 8.2  | .25       | 7.2          | 2.9            | 7.9         | .7            | 24                              | 8.8                        | 10            | .3           | .2                         |                              | 56               | 104              | 30 | 10    | 95               | 6.8                           | 200           |   |
| Sept. 21-30.....                                    | 39                   | 8.2  | .19       | 8.2          | 3.3            | 9.2         | .9            | 30                              | 14                         | 10            | .3           | .4                         |                              | 70               | 102              | 34 | 10    | 111              | 7.1                           | 160           |   |
| Time weighted average.....                          | 406                  | 8.9  | 0.27      | 7.1          | 3.8            | 8.1         | 0.6           | 26                              | 10                         | 11            | 0.3          | 0.3                        |                              | 63               | 110              | 32 | 10    | 101              | --                            | 200           |   |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                                  | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|---|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (56) SANTA FE RIVER AT WORTHINGTON, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Oct. 1-10, 1958...                                  | 28                   | 7.2                        | 0.16      | 9.8          | 3.8            | 8.8         | 0.9           | 37                              | 13                         | 10            | 0.3          | 0.3                        | --                           | 72               | 99               | 40                            | 10            | 121                                       | 7.2 | 120   |                  |
| Oct. 11-20.....                                     | 28                   | 8.2                        | .13       | 11           | 4.3            | 8.8         | .9            | 42                              | 16                         | 10            | .3           | .1                         | --                           | 81               | 99               | 45                            | 10            | 134                                       | 7.4 | 90    |                  |
| Oct. 21-31.....                                     | 40                   | 9.3                        | .14       | 13           | 3.3            | 7.1         | 1.0           | 44                              | 13                         | 9.8           | .3           | .2                         | 0.5                          | 80               | 104              | 46                            | 10            | 127                                       | 6.9 | 140   |                  |
| Nov. 1-7.....                                       | 83                   | 8.5                        | .12       | 12           | 4.1            | 6.3         | 1.3           | 45                              | 12                         | 9.8           | .4           | .4                         | .7                           | 78               | 105              | 47                            | 10            | 130                                       | 7.0 | 100   |                  |
| Nov. 8-19.....                                      | 223                  | 8.8                        | .23       | 8.0          | 2.7            | 6.0         | .9            | 23                              | 8.8                        | 10            | .4           | .2                         | .5                           | 58               | 107              | 31                            | 12            | 92  | 6.4 | 220   |                  |
| Nov. 20-30.....                                     | 57                   | 7.8                        | .25       | 8.4          | 3.4            | 6.6         | .9            | 31                              | 9.6                        | 10            | .4           | .2                         | .4                           | 63               | 106              | 35                            | 10            | 104                                       | 6.7 | 180   |                  |
| Dec. 1-10.....                                      | 118                  | 9.0                        | .22       | 10           | 3.2            | 6.4         | 1.0           | 34                              | 9.2                        | 11            | .4           | .2                         | .5                           | 68               | 106              | 38                            | 10            | 109                                       | 6.7 | 150   |                  |
| Dec. 11-20.....                                     | 410                  | 7.7                        | .23       | 6.0          | 2.4            | 5.6         | .8            | 16                              | 8.0                        | 10            | .4           | .1                         | .3                           | 49               | 102              | 25                            | 12            | 83  | 6.3 | 200   |                  |
| Dec. 21-31.....                                     | 275                  | 8.2                        | .23       | 6.4          | 2.4            | 6.4         | .7            | 16                              | 8.4                        | 11            | .4           | .0                         | .1                           | 52               | 102              | 26                            | 13            | 86  | 6.4 | 180   |                  |
| Jan. 1-10, 1959...                                  | 1780                 | 6.8                        | .25       | 4.8          | 1.9            | 4.8         | .8            | 10                              | 7.2                        | 9.5           | .4           | .1                         | .3                           | 42               | 94               | 20                            | 12            | 69  | 5.9 | 210   |                  |
| Jan. 11-20.....                                     | 887                  | 7.3                        | .25       | 4.4          | 2.2            | 5.3         | .7            | 9                               | 12                         | 10            | .4           | .1                         | .2                           | 47               | 95               | 20                            | 12            | 72  | 5.9 | 210   |                  |
| Jan. 21-31.....                                     | 529                  | 5.8                        | .20       | 5.8          | 3.5            | 6.8         | .4            | 13                              | 8.8                        | 11            | .2           | .3                         | --                           | 49               | 93               | 29                            | 18            | 82  | 6.2 | 200   |                  |
| Feb. 1-10.....                                      | 654                  | 5.1                        | .23       | 7.0          | 2.3            | 6.4         | .6            | 14                              | 8.8                        | 10            | .2           | .3                         | --                           | 48               | 92               | 27                            | 16            | 83  | 6.2 | 260   |                  |
| Feb. 11-20.....                                     | 895                  | 4.8                        | .23       | 6.4          | 1.5            | 5.9         | .5            | 12                              | 6.4                        | 9.5           | .2           | .3                         | --                           | 42               | 94               | 22                            | 12            | 72  | 6.1 | 260   |                  |
| Feb. 21-28.....                                     | 328                  | 5.2                        | .28       | 6.4          | 2.9            | 6.8         | .5            | 16                              | 9.6                        | 10            | .2           | .4                         | --                           | 50               | 98               | 28                            | 15            | 88  | 6.4 | 260   |                  |
| Mar. 1-10.....                                      | 1990                 | 4.1                        | .24       | 5.6          | 2.9            | 4.5         | .4            | 8                               | 5.6                        | 8.0           | .3           | .3                         | --                           | 36               | 83               | 26                            | 20            | 60  | 6.0 | 180   |                  |
| Mar. 11-20.....                                     | 3870                 | 6.0                        | .14       | 3.6          | 1.3            | 3.9         | .2            | 9                               | 5.6                        | 7.6           | .1           | .2                         | --                           | 33               | 67               | 14                            | 7             | 54  | 5.9 | 150   |                  |
| Mar. 21-31.....                                     | 3980                 | 3.2                        | .17       | 3.6          | 1.2            | 3.3         | .1            | 7                               | 5.6                        | 7.5           | .0           | .2                         | --                           | 28               | 61               | 14                            | 8             | 49  | 5.7 | 200   |                  |
| Apr. 1-10.....                                      | 1390                 | 4.3                        | .24       | 3.8          | 1.6            | 4.1         | .2            | 10                              | 6.7                        | 7.8           | .1           | .2                         | --                           | 34               | 74               | 16                            | 8             | 57  | 6.0 | 200   |                  |
| Apr. 11-20.....                                     | 608                  | 3.6                        | .30       | 4.2          | 1.6            | 4.9         | .2            | 10                              | 7.2                        | 9.2           | .1           | .3                         | --                           | 36               | 76               | 17                            | 9             | 63  | 6.0 | 260   |                  |
| Apr. 21-30.....                                     | 838                  | 4.9                        | .29       | 3.6          | 2.1            | 4.0         | .2            | 11                              | 7.2                        | 9.5           | .1           | .2                         | --                           | 37               | 75               | 18                            | 8             | 58  | 6.2 | 200   |                  |
| May 1-10.....                                       | 283                  | 4.5                        | .30       | 4.8          | 1.9            | 5.0         | .1            | 11                              | 8.0                        | 9.8           | .1           | .2                         | --                           | 40               | 81               | 20                            | 10            | 67  | 6.2 | 210   |                  |
| May 11-20.....                                      | 235                  | 5.2                        | .28       | 4.8          | 2.2            | 5.0         | .2            | 14                              | 7.6                        | 10            | .1           | .2                         | --                           | 42               | 80               | 21                            | 10            | 71  | 6.4 | 210   |                  |
| May 21-31.....                                      | 4360                 | 4.8                        | .32       | 4.0          | 1.6            | 3.0         | .0            | 8                               | 3.2                        | 7.0           | .2           | .7                         | --                           | 29               | 59               | 16                            | 10            | 44  | 6.1 | 220   |                  |
| June 1.....   | 2700                 | --                         | --        | 18           | 7.5            | --          | --            | 0                               | --                         | 62            | --           | --                         | --                           | --               | --               | 76                            | --            | 204                                       | 3.6 | 280   |                  |
| June 2-10.....                                      | 2060                 | 3.9                        | .22       | 3.2          | 1.7            | 3.3         | .0            | 7                               | 2.4                        | 6.0           | .2           | .6                         | --                           | 25               | 67               | 15                            | 10            | 44  | 6.0 | 280   |                  |
| June 11-20.....                                     | 1080                 | 4.1                        | .22       | 3.6          | 1.2            | 3.6         | .0            | 8                               | 3.2                        | 6.8           | .2           | .5                         | --                           | 27               | 69               | 14                            | 8             | 49  | 6.0 | 280   |                  |
| June 21-25.....                                     | 680                  | 4.5                        | .07       | 4.0          | 1.2            | 4.2         | .6            | 11                              | 4.0                        | 6.5           | .4           | .3                         | --                           | 31               | 68               | 15                            | 6             | 50  | 6.2 | 60    |                  |
| June 26-28, 30.....                                 | 452                  | 4.9                        | --        | 3.6          | 1.6            | 4.6         | .5            | 11                              | 5.0                        | 6.5           | .2           | .3                         | --                           | 33               | --               | 16                            | 6             | 52  | 6.3 | 60    |                  |
| July 1.....   | 508                  | 6.1                        | --        | 5.6          | 2.4            | 2.3         | --            | 18                              | 4.8                        | 6.2           | --           | .7                         | --                           | 37               | --               | 24                            | 9             | 51  | 6.0 | 300   |                  |

Table 3.--Chemical analyses and temperatures of surface waters--Continued

| Date of collection                                  | Mean discharge (cfs) | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  | pH  | Color | Temperature (°F) |                  |                               |   |
|---|----------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|-----|-------|------------------|------------------|-------------------------------|---|
|   |                      | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |     |       |                  | Residue at 180°C | Hardness as CaCO <sub>3</sub> | Specific conductance (micro-mhos at 25°C) |
| (86) SANTA FE RIVER AT WORTHINGTON, FLA.--Continued |                      |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |     |       |                  |                  |                               |   |
| July 3-4, 1959,....                                 | 705                  | 8.3  | 0.12      | 4.8          | 1.2            | 4.3         | 0.6           | 14                              | 3.2                        | 5.5           | 0.2          | 0.3                        | --                           | 35               | 68  | 17    | 6                | 62               | 6.2                           | 180                                       |
| July 5-9,.....                                      | 722                  | 8.4  | .11       | 4.8          | 1.2            | 4.2         | .6            | 13                              | 4.0                        | 5.2           | .2           | .4                         | --                           | 34               | 74  | 17    | 6                | 61               | 6.3                           | 180                                       |
| July 10-14,.....                                    | 539                  | 7.7  | .10       | 5.8          | 3.2            | 4.8         | .6            | 20                              | 4.8                        | 7.0           | .3           | .2                         | --                           | 44               | 75  | 27    | 10               | 63               | 6.8                           | 180                                       |
| July 15-20,.....                                    | 914                  | 5.8  | .14       | 4.0          | 1.9            | 4.0         | .8            | 14                              | 2.4                        | 5.5           | .2           | 1.1                        | --                           | 32               | 85  | 18    | 6                | 50               | 6.8                           | 220                                       |
| July 21-29,.....                                    | 694                  | 7.7  | .15       | 4.2          | 1.5            | 4.9         | .4            | 14                              | 5.2                        | 7.0           | .2           | .7                         | --                           | 39               | 92  | 18    | 5                | 57               | 6.7                           | 220                                       |
| Aug. 1-10,.....                                     | 307                  | 7.9  | .17       | 3.4          | 3.0            | 5.5         | .8            | 18                              | 5.8                        | 7.5           | .3           | 1.7                        | --                           | 45               | 89  | 21    | 6                | 65               | 6.9                           | 280                                       |
| Aug. 11-20,.....                                    | 413                  | 11   | .25       | 4.6          | 2.6            | 5.5         | .6            | 20                              | 4.8                        | 8.0           | .3           | .5                         | --                           | 49               | 99  | 22    | 6                | 69               | 6.8                           | 280                                       |
| Aug. 21,.....                                       | 288                  | 11   | --        | 6.4          | 1.0            | 5.4         | .7            | 20                              | 2.4                        | 8.0           | .2           | .6                         | --                           | 46               | 84  | 20    | 4                | 64               | 6.3                           | 200                                       |
| Aug. 22,.....                                       | 237                  | 5.9  | --        | 5.6          | 2.4            | 5.4         | .7            | 18                              | 3.2                        | 8.0           | .2           | .8                         | --                           | 41               | 88  | 24    | 9                | 64               | 6.0                           | 200                                       |
| Aug. 23,.....                                       | 202                  | 10   | --        | 7.2          | 1.9            | 6.5         | .7            | 24                              | 4.0                        | 8.0           | .2           | .6                         | --                           | 51               | 108 | 28    | 6                | 75               | 6.1                           | 220                                       |
| Aug. 24,.....                                       | 177                  | 12   | --        | 7.2          | 1.5            | 6.8         | .7            | 25                              | 5.2                        | 7.0           | .2           | .9                         | --                           | 54               | 102 | 24    | 4                | 83               | 6.1                           | 200                                       |
| Aug. 25,.....                                       | 180                  | 6.8  | --        | 5.8          | 2.4            | 6.3         | .7            | 19                              | 4.4                        | 8.0           | .2           | .8                         | --                           | 45               | 96  | 24    | 8                | 70               | 6.1                           | 200                                       |
| Aug. 27,.....                                       | 135                  | 10   | --        | 7.2          | 1.0            | 6.0         | .7            | 18                              | 3.2                        | --            | --           | .7                         | --                           | --               | 98  | 22    | 7                | 70               | 6.2                           | 250                                       |
| Aug. 28,.....                                       | 128                  | 7.3  | --        | 6.4          | 2.4            | 6.0         | .7            | 18                              | 4.5                        | 8.0           | --           | --                         | --                           | 44               | 92  | 26    | 11               | 70               | 6.0                           | 220                                       |
| Aug. 29,.....                                       | 220                  | 22   | --        | 8.0          | 4.9            | 7.8         | 1.4           | 35                              | 4.0                        | 8.0           | --           | --                         | --                           | 73               | 110 | 40    | 12               | 92               | 6.5                           | 200                                       |
| Aug. 30,.....                                       | 237                  | 11   | --        | 8.8          | 1.5            | 6.5         | .8            | 30                              | 4.8                        | 8.0           | .2           | .7                         | --                           | 57               | 104 | 28    | 4                | 84               | 6.3                           | 180                                       |
| Aug. 31,.....                                       | 265                  | 5.1  | --        | 9.6          | 1.9            | 4.5         | 1.0           | 19                              | 3.2                        | 8.0           | --           | --                         | --                           | 46               | 90  | 32    | 16               | 70               | 6.1                           | 200                                       |
| Sept. 1,.....                                       | 333                  | 5.5  | --        | 8.0          | 3.4            | 4.8         | .8            | 21                              | 4.8                        | 8.0           | .2           | --                         | --                           | 48               | 90  | 34    | 17               | 70               | 6.1                           | 200                                       |
| Sept. 2,.....                                       | 268                  | 5.1  | --        | 6.4          | 2.9            | 4.8         | .8            | 21                              | 3.2                        | 8.0           | --           | --                         | --                           | 44               | 92  | 28    | 11               | 66               | 6.1                           | 200                                       |
| Sept. 3,.....                                       | 303                  | 5.3  | --        | 7.2          | 2.9            | 4.8         | .8            | 20                              | 4.4                        | 7.0           | .2           | .6                         | --                           | 48               | 96  | 30    | 14               | 70               | 6.3                           | 220                                       |
| Sept. 4,.....                                       | 242                  | 5.1  | --        | 8.0          | 2.4            | 5.9         | .8            | 24                              | 3.6                        | 8.0           | .2           | --                         | --                           | 49               | 100 | 30    | 10               | 76               | 6.2                           | 200                                       |
| Sept. 5,.....                                       | 235                  | --   | --        | 8.0          | 2.4            | 5.2         | .8            | 21                              | 2.4                        | 7.0           | --           | --                         | --                           | --               | 100 | 30    | 13               | 69               | 6.1                           | 200                                       |
| Sept. 6,.....                                       | 268                  | 15   | --        | 9.6          | 2.9            | 7.8         | .8            | 30                              | 4.0                        | 8.0           | --           | --                         | --                           | 63               | 114 | 36    | 12               | 89               | 6.3                           | 200                                       |
| Sept. 7,.....                                       | 316                  | 13   | --        | 7.2          | 3.9            | 5.9         | .8            | 30                              | 4.4                        | 9.0           | --           | --                         | --                           | 59               | 108 | 34    | 10               | 77               | 6.4                           | 220                                       |
| Sept. 8,.....                                       | 342                  | 5.1  | --        | 7.2          | 1.9            | 5.0         | .6            | 19                              | 3.2                        | 8.0           | .1           | .7                         | --                           | 44               | 98  | 26    | 10               | 66               | 6.5                           | 200                                       |
| Sept. 9,.....                                       | 348                  | 9.5  | --        | 7.2          | 1.9            | 5.4         | .5            | 20                              | 2.8                        | 8.0           | --           | --                         | --                           | 45               | 100 | 26    | 10               | 65               | 6.1                           | 220                                       |
| Sept. 10,.....                                      | 333                  | 5.4  | --        | 5.6          | 2.9            | 4.9         | .7            | 14                              | 2.8                        | 7.0           | .2           | .7                         | --                           | 37               | 94  | 26    | 14               | 59               | 6.3                           | 220                                       |
| Sept. 11,.....                                      | 329                  | 1.9  | --        | 7.2          | 1.0            | 5.6         | .1            | 20                              | 2.0                        | 1.0           | --           | --                         | --                           | 29               | 84  | 22    | 6                | 64               | 6.2                           | 250                                       |
| Sept. 12,.....                                      | 317                  | 1.9  | --        | 5.6          | 2.4            | 5.1         | .1            | 17                              | 1.6                        | 4.0           | --           | --                         | --                           | 29               | 80  | 24    | 10               | 61               | 6.1                           | 220                                       |
| Sept. 13,.....                                      | 341                  | 2.8  | --        | 8.0          | 2.4            | 5.5         | .1            | 16                              | 6.4                        | --            | --           | --                         | --                           | --               | 102 | 30    | 17               | 83               | 6.0                           | 220                                       |



Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                                  | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|---|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (56) SANTE FE RIVER AT WORTHINGTON, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Sept. 14, 1959....                                  | 410                  | 3.5                        | --        | 6.4          | 1.5            | 5.8         | 0.1           | 19                              | 2.4                        | --            | --           | --                         | --                           | --               | 78               | 22                            | 6             | 63  | 6.2 | 220   | --               |
| Sept. 15.....                                       | 823                  | --                         | --        | 6.4          | 2.4            | 5.0         | .1            | 20                              | --                         | --            | --           | --                         | --                           | --               | 76               | 26                            | 10            | 63  | 6.1 | 220   | --               |
| Sept. 16.....                                       | 1200                 | 3.9                        | --        | 4.0          | 3.4            | 4.0         | .2            | 12                              | 1.2                        | 4.0           | --           | --                         | --                           | 27               | 70               | 24                            | 14            | 53  | 5.7 | 220   | --               |
| Sept. 17.....                                       | 1940                 | 4.6                        | --        | 6.4          | 1.5            | 4.6         | .2            | 15                              | 2.8                        | 1.0           | --           | --                         | --                           | 28               | 82               | 22                            | 10            | 54  | 5.9 | 250   | --               |
| Sept. 18.....                                       | 2280                 | --                         | --        | 4.0          | 1.9            | --          | --            | 11                              | --                         | --            | --           | --                         | --                           | --               | 74               | 18                            | 9             | 47  | 6.5 | 250   | --               |
| Sept. 19.....                                       | 2250                 | 3.9                        | --        | 4.8          | 2.9            | 5.4         | .2            | 18                              | 2.0                        | 2.0           | --           | --                         | --                           | 30               | 80               | 24                            | 9             | 56  | 6.0 | 250   | --               |
| Sept. 20.....                                       | 2170                 | 4.5                        | --        | 5.6          | 1.5            | 5.8         | .1            | 20                              | 3.6                        | 4.0           | --           | --                         | --                           | 35               | 84               | 20                            | 4             | 56  | 6.0 | 250   | --               |
| Sept. 21.....                                       | 2220                 | 3.0                        | --        | 4.0          | 2.4            | 4.0         | .1            | 10                              | 1.6                        | 2.0           | --           | --                         | --                           | 22               | 74               | 20                            | 12            | 48  | 6.0 | 250   | --               |
| Sept. 22.....                                       | 2340                 | --                         | --        | 4.0          | 2.4            | 4.0         | .1            | 12                              | --                         | --            | --           | --                         | --                           | --               | 76               | 20                            | 10            | 49  | 5.8 | 260   | --               |
| Sept. 23.....                                       | 2060                 | 3.2                        | --        | 4.8          | 1.9            | 4.2         | .1            | 12                              | 1.6                        | 2.0           | --           | --                         | --                           | 24               | 80               | 20                            | 10            | 49  | 5.6 | 250   | --               |
| Sept. 24.....                                       | 1760                 | 9.3                        | --        | 6.4          | 2.9            | 6.1         | .1            | 26                              | 2.0                        | 2.0           | --           | --                         | --                           | 42               | 104              | 28                            | 6             | 61  | 6.7 | 250   | --               |
| Sept. 25.....                                       | 1480                 | 2.5                        | --        | 4.8          | 1.9            | 4.8         | .1            | 16                              | 2.0                        | --            | --           | --                         | --                           | --               | 96               | 20                            | 7             | 56  | 5.9 | 240   | --               |
| Sept. 26.....                                       | 1230                 | 4.6                        | --        | 7.2          | 1.0            | 5.3         | .1            | 16                              | 2.8                        | 2.0           | --           | --                         | --                           | 31               | 82               | 22                            | 9             | 57  | 5.9 | 240   | --               |
| Sept. 27.....                                       | 1050                 | 4.3                        | --        | 4.8          | 1.9            | 5.3         | .1            | 14                              | 2.8                        | 5.0           | --           | --                         | --                           | 31               | 82               | 20                            | 8             | 53  | 6.4 | 260   | --               |
| Sept. 28.....                                       | 910                  | 3.4                        | --        | 4.8          | 2.9            | 5.3         | .1            | 14                              | 1.6                        | 3.0           | --           | --                         | --                           | 28               | 106              | 24                            | 12            | 58  | 6.1 | 260   | --               |
| Sept. 29.....                                       | 783                  | 2.1                        | --        | 3.2          | 2.4            | 5.0         | .1            | 13                              | 3.2                        | 6.0           | --           | --                         | --                           | 28               | 80               | 18                            | 8             | 56  | 5.8 | 280   | --               |
| Sept. 30.....                                       | 672                  | 2.0                        | --        | 4.8          | 1.9            | 5.2         | .1            | 11                              | 3.2                        | --            | --           | --                         | --                           | --               | 76               | 20                            | 11            | 54  | 5.7 | 280   | --               |
| Time-weighted average.....                          | 954                  | 6.4                        | 0.21      | 6.0          | 2.4            | 5.4         | 0.1           | 17                              | 7.1                        | 8.7           | 0.2          | 0.4                        | --                           | 45               | 88               | 25                            | 11            | 75  | --  | 200   | --               |
| Oct. 1-10, 1959....                                 | 649                  | 4.6                        | 0.20      | 4.0          | 1.6            | 5.2         | 0.9           | 12                              | 4.4                        | 8.0           | 0.1          | 0.5                        | --                           | 35               | 73               | 16                            | 6             | 60  | 6.2 | 140   | --               |
| Oct. 11-16, 18-20..                                 | 1870                 | 5.5                        | .23       | 4.4          | 1.0            | 4.4         | .8            | 12                              | 6.8                        | 7.0           | .0           | .5                         | --                           | 37               | 66               | 15                            | 5             | 55  | 6.1 | 160   | --               |
| Oct. 17.....  | 3380                 | --                         | --        | 4.0          | 1.5            | 3.2         | .8            | 5                               | .8                         | --            | --           | --                         | --                           | --               | 62               | 16                            | 12            | 37  | 5.5 | 140   | 75               |
| Oct. 21-31.....                                     | 897                  | 6.3                        | .25       | 4.0          | 2.1            | 6.0         | .6            | 15                              | 4.0                        | 9.0           | .1           | .3                         | --                           | 40               | 78               | 18                            | 6             | 65  | 6.2 | 200   | --               |
| Nov. 1-10.....                                      | 401                  | 5.8                        | .22       | 4.0          | 1.9            | 5.3         | .6            | 14                              | 4.0                        | 8.2           | .3           | .2                         | --                           | 37               | 75               | 18                            | 6             | 67  | 6.2 | 180   | --               |
| Nov. 11-20.....                                     | 294                  | 6.1                        | .19       | 4.0          | 2.4            | 5.4         | .5            | 16                              | 4.8                        | 9.2           | .2           | .4                         | --                           | 41               | 76               | 20                            | 7             | 66  | 6.4 | 180   | --               |
| Nov. 21-30.....                                     | 229                  | 6.5                        | .21       | 5.0          | 2.8            | 5.6         | .6            | 20                              | 5.2                        | 9.5           | .3           | .2                         | --                           | 46               | 77               | 24                            | 8             | 77  | 6.5 | 160   | --               |
| Dec. 1-4.....                                       | 177                  | 6.2                        | .12       | 5.2          | 2.9            | 5.8         | .5            | 21                              | 6.8                        | 10            | .3           | .1                         | --                           | 48               | 80               | 25                            | 8             | 77  | 7.0 | 160   | --               |
| Dec. 5-17.....                                      | 158                  | 9.3                        | .15       | 6.8          | 3.2            | 7.2         | .8            | 31                              | 6.4                        | 9.5           | .3           | .2                         | --                           | 59               | 83               | 30                            | 4             | 94  | 6.8 | 140   | --               |
| Dec. 18.....  | 152                  | 21                         | .14       | 9.6          | 3.9            | 9.7         | .8            | 50                              | --                         | 10            | .3           | .1                         | --                           | --               | 108              | 40                            | 0             | 110                                       | 7.1 | 140   | 60               |
| Dec. 19-31.....                                     | 131                  | 9.8                        | .19       | 7.6          | 3.4            | 7.0         | .8            | 34                              | 6.4                        | 10            | .3           | .4                         | --                           | 63               | 86               | 33                            | 5             | 100                                       | 6.7 | 120   | --               |
| Jan. 1-10, 1960....                                 | 170                  | 8.6                        | .14       | 9.6          | 2.4            | 6.5         | 1.0           | 30                              | 6.4                        | 11            | .3           | .2                         | --                           | 61               | 98               | 34                            | 10            | 99  | 7.4 | 120   | --               |
| Jan. 11-20.....                                     | 123                  | 9.5                        | .14       | 10           | 3.2            | 7.2         | .8            | 36                              | 7.6                        | 11            | .3           | .2                         | --                           | 68               | 99               | 38                            | 8             | 110                                       | 7.3 | 120   | --               |
| Jan. 21-31.....                                     | 105                  | 11                         | .14       | 10           | 2.4            | 7.6         | 1.0           | 34                              | 6.8                        | 11            | .2           | .3                         | --                           | 67               | 97               | 35                            | 7             | 105                                       | 7.1 | 130   | --               |
| Feb. 1-10.....                                      | 302                  | 11                         | .19       | 8.8          | 3.4            | 7.6         | 1.1           | 30                              | 7.2                        | 12            | .3           | .5                         | --                           | 67               | 93               | 36                            | 12            | 106                                       | 7.4 | 120   | --               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                                  | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|---|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|   |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (56) SANTA FE RIVER AT WORTHINGTON, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Feb. 11-20, 1960..                                  | 285                  | 6.8                        | 0.20      | 7.2          | 3.9            | 7.2         | 0.9           | 23                              | 6.0                        | 12            | 0.3          | 0.4                        |                              | 66               | 85               | 34                            | 15            | 94  | 7.3 | 150   |                  |
| Feb. 21-28.....                                     | 805                  | 6.8                        | .16       | 6.6          | 2.3            | 7.1         | 1.0           | 22                              | 6.4                        | 13            | .3           | .6                         |                              | 55               | 82               | 26                            | 8             | 90  | 7.3 | 140   |                  |
| Mar. 1-17.....                                      | 863                  | 11                         | .15       | 5.2          | 1.5            | 6.9         | .8            | 14                              | 5.4                        | 11            | .3           | .5                         |                              | 50               | 75               | 19                            | 8             | 69  | 6.9 | 140   |                  |
| Mar. 18-22.....                                     | 5900                 | 4.3                        | .03       | 3.2          | .9             | 3.7         | .6            | 9                               | 3.0                        | 5.5           | .2           | .4                         |                              | 26               | 53               | 12                            | 4             | 43  | 6.6 | 120   |                  |
| Mar. 23-31.....                                     | 1700                 | 3.2                        | .08       | 4.3          | 1.2            | 5.8         | .4            | 11                              | 4.8                        | 6.5           | .2           | .2                         |                              | 32               | 64               | 16                            | 6             | 59  | 6.2 | 150   |                  |
| Apr. 1-10.....                                      | 1420                 | 3.4                        | .13       | 4.4          | 1.0            | 5.1         | .5            | 11                              | 5.6                        | 7.0           | .2           | .4                         |                              | 33               | 77               | 15                            | 6             | 60  | 6.9 | 180   |                  |
| Apr. 11-20.....                                     | 505                  | 2.8                        | .14       | 5.8          | .9             | 6.4         | .5            | 11                              | 5.8                        | 7.5           | .2           | .6                         |                              | 39               | 75               | 18                            | 9             | 71  | 6.0 | 180   |                  |
| Apr. 21-30.....                                     | 295                  | 3.3                        | .16       | 6.2          | 1.1            | 6.8         | .5            | 14                              | 5.0                        | 8.0           | .2           | .7                         |                              | 42               | 82               | 20                            | 8             | 78  | 6.0 | 160   |                  |
| May 1-10.....                                       | 233                  | 7.7                        | .15       | 7.8          | 1.1            | 7.4         | .4            | 20                              | 5.0                        | 9.0           | .2           | .4                         |                              | 52               | 85               | 24                            | 8             | 87  | 6.4 | 150   |                  |
| May 11-20.....                                      | 131                  | 5.9                        | .13       | 5.6          | 1.3            | 5.4         | .4            | 22                              | 9.2                        | 9.0           | .2           | .3                         |                              | 54               | 78               | 27                            | 9             | 96  | 6.5 | 120   |                  |
| May 21-31.....                                      | 70                   | 6.6                        | .12       | 9.8          | 1.6            | 8.3         | .7            | 25                              | 12                         | 9.0           | .2           | .4                         |                              | 61               | 83               | 31                            | 10            | 108                                       | 6.6 | 110   |                  |
| June 1-10.....                                      | 58                   | 5.5                        | .11       | 5.8          | 3.2            | 7.9         | .2            | 30                              | 10                         | 5.0           | .3           | .5                         |                              | 59               | 91               | 35                            | 10            | 109                                       | 6.8 | 100   |                  |
| June 11-20.....                                     | 71                   | 7.9                        | .09       | 12           | 2.5            | 8.3         | .2            | 35                              | 13                         | 5.0           | .3           | .3                         |                              | 69               | 97               | 40                            | 12            | 123                                       | 6.9 | 60    |                  |
| June 21-30.....                                     | 459                  | 4.4                        | .18       | 5.4          | 2.6            | 5.3         | .0            | 18                              | 3.6                        | 5.5           | .3           | .3                         |                              | 36               | 82               | 24                            | 9             | 72  | 6.5 | 180   |                  |
| July 1-10.....                                      | 246                  | 7.0                        | .18       | 6.0          | 2.2            | 5.7         | .2            | 27                              | 4.0                        | 7.0           | .3           | .7                         |                              | 46               | 83               | 24                            | 2             | 76  | 7.0 | 200   |                  |
| July 11-20.....                                     | 1420                 | 5.1                        | .34       | 3.6          | 1.7            | 4.2         | .2            | 16                              | .4                         | 3.8           | .3           | .6                         |                              | 31               | 78               | 16                            | 3             | 51  | 6.4 | 210   |                  |
| July 21-31.....                                     | 1840                 | 5.0                        | .23       | 4.4          | 1.7            | 3.7         | .2            | 18                              | .5                         | 5.0           | .3           | .3                         |                              | 31               | 124              | 18                            | 3             | 57  | 6.6 | 200   |                  |
| Aug. 1-10.....                                      | 1900                 | 5.3                        | .26       | 3.6          | 2.7            | 3.7         | .2            | 15                              | 4.0                        | 4.2           | .3           | .6                         |                              | 32               | 74               | 15                            | 2             | 49  | 6.4 | 210   |                  |
| Aug. 11-20.....                                     | 1030                 | 5.5                        | .25       | 4.2          | 1.6            | 4.4         | .2            | 15                              | .5                         | 4.5           | .3           | .4                         |                              | 30               | 74               | 17                            | 4             | 56  | 6.5 | 210   |                  |
| Aug. 21-31.....                                     | 900                  | 5.1                        | .24       | 4.2          | 1.6            | 4.4         | .3            | 10                              | .4                         | 4.8           | .3           | .3                         |                              | 27               | 73               | 17                            | 9             | 56  | 6.1 | 190   |                  |
| Sept. 1-10.....                                     | 888                  | 4.9                        | .33       | 4.4          | 1.1            | 4.4         | .5            | 12                              | 3.6                        | 6.5           | .3           | .6                         |                              | 33               | 80               | 16                            | 6             | 53  | 6.2 | 220   |                  |
| Sept. 11-20.....                                    | 1940                 | 4.7                        | .34       | 3.8          | 1.2            | 4.0         | .5            | 12                              | 3.2                        | 6.5           | .2           | .7                         |                              | 31               | 78               | 14                            | 4             | 49  | 6.2 | 200   |                  |
| Sept. 21-30.....                                    | 918                  | 6.2                        | .31       | 4.2          | 1.2            | 5.0         | .6            | 14                              | 4.4                        | 4.5           | .2           | .6                         |                              | 34               | 86               | 16                            | 4             | 56  | 6.4 | 220   |                  |
| Time-weighted average.....                          | 735                  | 6.7                        | 0.19      | 6.1          | 2.0            | 6.0         | 0.6           | 20                              | 5.7                        | 8.2           | 0.2          | 0.4                        |                              | 46               | 82               | 23                            | 6             | 77  | --  | 160   |                  |
| (61) SWIFT CREEK NEAR PROVIDENCE, FLA.              |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Feb. 4, 1958.....                                   | --                   | 4.6                        | 0.10      | 4.0          | 3.4            | 6.0         | 0.2           | 9                               | 3.5                        | 13            | 0.3          | 0.1                        | 0.2                          | 40               | 110              | 24                            | 16            | 70  | 5.9 | 250   | --               |
| Mar. 15, 1959.....                                  | 5 7.0                | 3.0                        | .33       | 1.4          | .9             | 2.5         | .0            | 2                               | 3.2                        | 3.8           | .2           | .0                         | --                           | 16               | 58               | 7                             | 6             | 30  | 4.9 | 200   | 55               |
| Jan. 4, 1960.....                                   | 5 11.7               | 8.7                        | .37       | 3.8          | 2.8            | 5.1         | .4            | 10                              | 1.2                        | 11            | .3           | .1                         | .0                           | 38               | 85               | 20                            | 12            | 62  | 6.0 | 180   | 60               |
| June 22.....  | --                   | 6.1                        | .37       | 3.8          | 1.2            | 3.3         | .0            | 8                               | .8                         | 6.2           | .2           | .1                         | .9                           | 27               | 64               | 14                            | 8             | 42  | 5.8 | 160   | 78               |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                       | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (40) OLUSTEE CREEK NEAR PROVIDENCE, FLA. |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Oct. 2, 1957.....                        | 456                  | 3.7                        | 0.52      | 2.6          | 1.2            | 2.7         | 0.3           | 6                               | 1.0                        | 11            | 0.2          | 0.3                        | --                           | 27               | 78               | 12                            | 6             | 41  | 5.4 | 280   | --               |
| Nov. 20.....                             | 3.7                  | 8.0                        | .30       | 4.8          | 3.3            | 4.6         | .5            | 20                              | 2.0                        | 8.0           | .3           | .1                         | --                           | 42               | 94               | 26                            | 9             | 71  | 6.1 | 180   | 65               |
| Jan. 17, 1958.....                       | 92                   | 11                         | .36       | 3.8          | 2.9            | 5.7         | .4            | 12                              | 2.2                        | 11            | .3           | .0                         | --                           | 44               | 94               | 22                            | 12            | 71  | 5.8 | 180   | 50               |
| Mar. 18.....                             | 314                  | 3.6                        | .44       | 2.4          | 1.8            | 4.7         | .4            | 6                               | 4.0                        | 8.0           | .2           | .1                         | --                           | 29               | 84               | 14                            | 8             | 52  | 6.5 | 240   | 58               |
| May 8.....                               | 36                   | 3.5                        | .75       | 2.8          | 2.1            | 4.7         | .4            | 7                               | 4.0                        | 8.0           | .3           | .0                         | --                           | 30               | 107              | 18                            | 10            | 53  | 5.3 | 440   | 67               |
| July 11.....                             | 234                  | 4.2                        | .60       | 2.6          | 1.9            | 3.4         | .5            | 4                               | 3.8                        | 7.8           | .2           | .0                         | --                           | 27               | 105              | 14                            | 11            | 45  | 5.1 | 420   | 80               |
| Sept. 2.....                             | 48                   | 8.8                        | .52       | 3.6          | 7              | 2.8         | .4            | 5                               | 1.5                        | 5.5           | .4           | .8                         | 0.37                         | 28               | 108              | 12                            | 8             | 45  | 5.1 | 400   | --               |
| Oct. 27.....                             | 6                    | 6.9                        | .27       | 4.0          | 1.6            | 3.4         | .6            | 16                              | 1.0                        | 7.0           | .3           | .4                         | .80                          | 33               | 64               | 16                            | 4             | 54  | 6.6 | 120   | 63               |
| Feb. 10, 1959.....                       | 111                  | 8.6                        | .28       | 3.4          | 2.1            | 5.4         | .0            | 4                               | 3.6                        | 10            | .4           | .4                         | --                           | 36               | 103              | 17                            | 14            | 63  | 5.0 | 240   | --               |
| Mar. 18.....                             | 3020                 | 3.4                        | .18       | 1.8          | .6             | 2.4         | .0            | 2                               | .4                         | 3.5           | .2           | .8                         | --                           | 16               | 49               | 7                             | 6             | 29  | 5.1 | 180   | 55               |
| July 27.....                             | 113                  | 3.5                        | .51       | 2.6          | 1.0            | 3.0         | .4            | 7                               | .8                         | 5.5           | .4           | 1.6                        | --                           | 23               | 80               | 10                            | 5             | 41  | 5.2 | 240   | --               |
| Sept. 18.....                            | 552                  | 3.7                        | .25       | 2.2          | 1.1            | 2.0         | .3            | 10                              | 1.2                        | 5.5           | .2           | .4                         | --                           | 22               | 64               | 10                            | 2             | 36  | 5.1 | 200   | --               |
| Nov. 16.....                             | 59                   | 1.2                        | .20       | 2.0          | 1.5            | 3.5         | .0            | 5                               | .0                         | 8.0           | .2           | .2                         | --                           | 19               | 82               | 11                            | 7             | 43  | 5.1 | 350   | 64               |
| Jan. 19, 1960.....                       | 21                   | 5.1                        | .23       | 5.6          | 1.7            | 4.6         | .0            | 17                              | 2.0                        | 8.8           | .3           | .5                         | .5                           | 37               | 102              | 21                            | 7             | 60  | 6.6 | 150   | 56               |
| Apr. 7.....                              | 217                  | 1.5                        | .25       | 3.6          | .2             | 3.7         | .0            | 10                              | .8                         | 7.2           | .2           | .6                         | --                           | 23               | 73               | 10                            | 2             | 38  | 5.8 | 180   | 64               |
| May 26.....                              | 3.4                  | 4.2                        | .10       | 4.4          | 1.6            | 3.6         | .7            | 10                              | .8                         | 6.5           | .3           | 1.8                        | .5                           | 29               | 70               | 18                            | 10            | 49  | 5.8 | 200   | --               |
| July 19.....                             | 323                  | 3.8                        | .38       | 2.6          | 1.1            | 2.4         | .7            | 2                               | .8                         | 8.5           | .4           | .1                         | .3                           | 22               | 87               | 11                            | 10            | 38  | 4.9 | 300   | --               |
| Sept. 23.....                            | 60                   | 7.7                        | .20       | 2.8          | 1.3            | 2.9         | .3            | 5                               | .8                         | 8.2           | .3           | .1                         | .3                           | 27               | 63               | 12                            | 8             | 39  | 5.3 | 280   | 76               |

(55) SANTA FE RIVER NEAR HIGH SPRINGS, FLA.

|                    |      |     |      |    |     |     |     |     |    |     |     |     |      |     |     |     |    |     |     |     |    |
|--------------------|------|-----|------|----|-----|-----|-----|-----|----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|----|
| Sept. 19, 1957.... | 487  | 5.0 | 0.07 | 40 | 7.5 | 7.3 | 0.6 | 101 | 42 | 14  | 0.4 | 0.3 | --   | 167 | 199 | 133 | 48 | 282 | 7.5 | 120 | 78 |
| Oct. 21.....       | 629  | 9.9 | .07  | 49 | 6.9 | 8.5 | .8  | 117 | 50 | 14  | .3  | .6  | --   | 196 | 236 | 151 | 55 | 331 | 7.1 | 130 | -- |
| Dec. 4.....        | 359  | 13  | .02  | 62 | 9.4 | 10  | .2  | 158 | 69 | 15  | .2  | .2  | --   | 257 | 241 | 193 | 64 | 423 | 7.5 | 22  | 68 |
| Jan. 27, 1958..... | 424  | 11  | .06  | 40 | 1.3 | 8.0 | .2  | 100 | 44 | 15  | .2  | .2  | --   | 169 | 231 | 130 | 48 | 295 | 7.1 | 90  | 59 |
| Feb. 4.....        | 78   | 12  | .05  | 41 | 7.2 | 9.0 | .9  | 95  | 49 | 16  | .3  | .0  | --   | 183 | 212 | 132 | 54 | 291 | 7.5 | 80  | 59 |
| Mar. 26.....       | 1560 | 4.9 | .26  | 12 | 3.6 | 6.7 | .9  | 31  | 12 | 10  | .4  | .3  | --   | 86  | 105 | 45  | 20 | 120 | 6.3 | 220 | 60 |
| May 19.....        | 829  | 11  | .08  | 49 | 7.7 | 8.1 | .9  | 130 | 45 | 12  | .3  | .4  | --   | 198 | 230 | 184 | 68 | 339 | 7.1 | 90  | 72 |
| July 14.....       | 1310 | 6.1 | .14  | 15 | 3.5 | 4.6 | .8  | 38  | 12 | 7.5 | .4  | .1  | 0.21 | 69  | 119 | 52  | 21 | 113 | 6.8 | 280 | 78 |
| Sept. 8.....       | 610  | 11  | .08  | 51 | 7.8 | 6.6 | .7  | 129 | 48 | 12  | .2  | .4  | .21  | 202 | 251 | 159 | 54 | 338 | 7.3 | 100 | 75 |
| Nov. 3.....        | 283  | 13  | .02  | 66 | 10  | 7.9 | 1.0 | 166 | 65 | 14  | .3  | .4  | .31  | 260 | 299 | 206 | 70 | 432 | 7.7 | 20  | 69 |

Table 2.--Chemical analyses and temperatures of surface waters--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                                     | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |  |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|--|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium-related  | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |  |
| (55) SANTA FE RIVER NEAR HIGH SPRINGS, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| Jan. 8, 1959.....                                      | 874                  | 10                         | 0.16      | 24           | 4.9            | 6.7         | 0.8           | 53                              | 24                         | 12            | 0.4          | 0.3                        | --                           | 109              | 148              | 80                            | 36            | 187                                       | 6.8 | 170   | 58               |  |
| Feb. 23.....   | 890                  | 8.7                        | .12       | 32           | 3.9            | 7.9         | .0            | 71                              | 34                         | 12            | .3           | .6                         | --                           | 135              | 180              | 96                            | 38            | 230                                       | 6.8 | 150   | --               |  |
| Apr. 20.....   | 1690                 | 8.9                        | .08       | 42           | 4.8            | 6.5         | .0            | 107                             | 32                         | 10            | .3           | 1.0                        | --                           | 158              | 202              | 124                           | 36            | 274                                       | 7.5 | 90    | --               |  |
| June 15.....   | 2900                 | 7.2                        | .24       | 26           | 3.4            | 4.7         | .0            | 65                              | 20                         | 7.5           | .4           | 1.0                        | --                           | 102              | 149              | 79                            | 26            | 177                                       | 7.3 | 180   | --               |  |
| Aug. 14.....   | 1160                 | 11                         | .06       | 47           | 5.5            | 6.2         | .7            | 127                             | 36                         | 10            | .2           | .0                         | --                           | 180              | 180              | 140                           | 36            | 299                                       | 7.3 | 55    | 76               |  |
| Oct. 1-14.....   | 1410                 | 10                         | .12       | 33           | 4.3            | 5.8         | .5            | 90                              | 21                         | 9.0           | .4           | .4                         | --                           | 129              | 165              | 100                           | 26            | 227                                       | 7.2 | 120   | --               |  |
| Oct. 15-20.....  | 2190                 | 5.9                        | .17       | 9.2          | 1.7            | 3.5         | .7            | 28                              | 4.8                        | 7.0           | .3           | .8                         | --                           | 48               | 86               | 30                            | 7             | 82  | 6.6 | 200   | --               |  |
| Oct. 21-25.....  | 2420                 | 7.0                        | .21       | 17           | 3.0            | 4.7         | .3            | 49                              | 12                         | 8.0           | .4           | .2                         | --                           | 77               | 119              | 55                            | 15            | 133                                       | 7.1 | 210   | --               |  |
| Oct. 26-28.....  | 1870                 | 11                         | .18       | 28           | 4.4            | 6.6         | .4            | 82                              | 20                         | 9.0           | .4           | .1                         | --                           | 120              | 160              | 88                            | 21            | 198                                       | 7.7 | 190   | --               |  |
| Oct. 29-Nov. 3.....                                    | 1830                 | 12                         | .12       | 42           | 3.6            | 7.1         | .4            | 109                             | 30                         | 11            | .3           | .6                         | --                           | 161              | 190              | 120                           | 30            | 270                                       | 7.3 | 110   | --               |  |
| Nov. 4-18.....   | 1230                 | 14                         | .10       | 49           | 3.0            | 6.6         | .4            | 121                             | 35                         | 10            | .3           | .8                         | --                           | 179              | 203              | 135                           | 36            | 296                                       | 7.3 | 80    | --               |  |
| Nov. 19-30.....  | 1000                 | 14                         | .06       | 49           | 8.9            | 7.3         | .4            | 140                             | 41                         | 11            | .2           | .7                         | --                           | 202              | 224              | 159                           | 44            | 331                                       | 7.5 | 60    | --               |  |
| Dec. 1-10.....   | 883                  | 18                         | .03       | 53           | 9.0            | 8.0         | .4            | 153                             | 43                         | 11            | .4           | .1                         | --                           | 218              | 232              | 169                           | 44            | 356                                       | 7.6 | 40    | --               |  |
| Dec. 11-18.....  | 822                  | 17                         | .03       | 53           | 9.0            | 8.6         | .4            | 154                             | 44                         | 12            | .3           | .1                         | --                           | 220              | 240              | 169                           | 43            | 360                                       | 8.0 | 40    | --               |  |
| Dec. 21-31.....  | 788                  | 17                         | .03       | 54           | 9.6            | 7.8         | .7            | 144                             | 43                         | 12            | .3           | .0                         | --                           | 219              | 252              | 174                           | 43            | 363                                       | 8.3 | 35    | --               |  |
| Jan. 1-10, 1960...                                     | 738                  | 15                         | .03       | 52           | 9.4            | 8.0         | .8            | 148                             | 40                         | 12            | .3           | .0                         | --                           | 211              | 246              | 168                           | 46            | 359                                       | 8.2 | 30    | --               |  |
| Jan. 11-20.....  | 896                  | 20                         | .03       | 54           | 9.1            | 8.7         | .7            | 152                             | 42                         | 12            | .3           | .0                         | --                           | 222              | 258              | 172                           | 48            | 371                                       | 8.0 | 34    | --               |  |
| Jan. 21-31.....  | 942                  | 13                         | .02       | 58           | 9.1            | 6.9         | .6            | 156                             | 48                         | 12            | .3           | .1                         | --                           | 225              | 269              | 182                           | 54            | 380                                       | 8.1 | 27    | --               |  |
| Feb. 1-7.....  | 703                  | 14                         | .05       | 45           | 7.7            | 7.2         | .9            | 124                             | 39                         | 12            | .3           | .1                         | --                           | 187              | 210              | 144                           | 42            | 312                                       | 7.6 | 45    | --               |  |
| Feb. 8-14.....   | 887                  | 10                         | .09       | 32           | 5.1            | 5.4         | .7            | 84                              | 28                         | 12            | .3           | .5                         | --                           | 135              | 165              | 101                           | 32            | 230                                       | 7.3 | 95    | --               |  |
| Feb. 15-22.....  | 806                  | 15                         | .08       | 45           | 6.7            | 7.9         | 1.0           | 124                             | 40                         | 13            | .3           | .6                         | --                           | 191              | 207              | 140                           | 38            | 313                                       | 7.6 | 65    | --               |  |
| Feb. 24-29, Mar. 1-6.....                              | 1320                 | 7.5                        | .13       | 15           | 2.3            | 5.6         | 1.0           | 41                              | 10                         | 9.5           | .3           | .6                         | --                           | 72               | 103              | 47                            | 14            | 121                                       | 6.8 | 140   | --               |  |
| Mar. 7-17.....   | 1390                 | 14                         | .12       | 32           | 5.1            | 6.5         | .9            | 86                              | 29                         | 10            | .3           | .5                         | --                           | 140              | 170              | 101                           | 30            | 231                                       | 7.4 | 95    | --               |  |
| Mar. 18.....   | 1740                 | 8.8                        | .10       | 22           | 5.6            | 5.8         | .9            | 66                              | 6.0                        | 10            | .4           | .3                         | --                           | 93               | 120              | 78                            | 24            | 161                                       | 7.1 | 100   | --               |  |
| Mar. 19-27.....  | 4350                 | 3.9                        | .13       | 6.0          | 1.0            | 3.3         | .9            | 16                              | 5.2                        | 3.0           | .2           | .4                         | --                           | 32               | 82               | 19                            | 6             | 57  | 6.4 | 150   | --               |  |
| Mar. 28-Apr. 10...                                     | 2600                 | 7.3                        | .21       | 21           | 4.7            | 5.4         | .9            | 60                              | 18                         | 7.5           | .3           | .5                         | --                           | 96               | 120              | 72                            | 23            | 155                                       | 7.1 | 140   | --               |  |
| Apr. 11-20.....  | 1810                 | 10                         | .11       | 38           | 5.1            | 6.5         | .9            | 104                             | 30                         | 10            | .3           | .8                         | --                           | 153              | 174              | 116                           | 31            | 254                                       | 7.5 | 85    | --               |  |
| Apr. 21-30.....  | 1370                 | 13                         | .08       | 48           | 6.8            | 6.8         | .7            | 134                             | 40                         | 11            | .3           | .9                         | --                           | 194              | 209              | 148                           | 38            | 318                                       | 8.1 | 60    | --               |  |
| May 1-10.....  | 1180                 | 13                         | .05       | 54           | 3.8            | 7.6         | .6            | 138                             | 41                         | 11            | .2           | .8                         | --                           | 199              | 219              | 150                           | 38            | 327                                       | 7.7 | 48    | --               |  |

Table 2.--Chemical analyses and temperatures of surface waters--Continued  
 Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Date of collection                                     | Mean discharge (cfs) | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|--|----------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|  |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium-related  | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| (55) SANTA FE RIVER NEAR HIGH SPRINGS, FLA.--Continued |                      |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| May 11-20, 1960...                                     | 988                  | 17                         | 0.03      | 57           | 6.3            | 8.6         | 0.7           | 152                             | 45                         | 12            | 0.1          | 1.1                        | --                           | 223              | 243              | 168                           | 44            | 369                                       | 7.7 | 40    | --               |
| May 21-25.....   | 882                  | 18                         | .03       | 61           | 5.8            | 8.4         | .7            | 158                             | 48                         | 12            | .0           | .9                         | --                           | 233              | 254              | 176                           | 46            | 381                                       | 7.6 | 30    | --               |
| June 19.....   | 696                  | 17                         | .04       | 61           | 9.7            | 8.8         | .6            | 168                             | 9.6                        | 11            | .2           | 1.3                        | --                           | 202              | 262              | 192                           | 54            | 400                                       | 7.9 | 5     | --               |
| June 20-30.....  | 877                  | 15                         | .08       | 39           | 5.5            | 8.5         | .6            | 108                             | 28                         | 10            | .2           | .7                         | --                           | 161              | 192              | 120                           | 32            | 270                                       | 7.6 | 90    | --               |
| July 1-10.....   | 853                  | 17                         | .08       | 50           | 5.1            | 7.8         | .0            | 132                             | 39                         | 10            | .3           | .7                         | --                           | 195              | 224              | 146                           | 38            | 318                                       | 7.8 | 70    | --               |
| July 11-20.....  | 1280                 | 9.3                        | .19       | 17           | 2.1            | 5.0         | .0            | 46                              | 8.0                        | 6.0           | .3           | .3                         | --                           | 71               | 118              | 51                            | 14            | 122                                       | 7.0 | 180   | --               |
| July 21-31.....  | 2030                 | 8.3                        | .27       | 14           | 2.7            | 5.3         | .0            | 40                              | 6.4                        | 5.5           | .4           | .1                         | --                           | 63               | 110              | 46                            | 13            | 109                                       | 6.8 | 200   | --               |
| Aug. 1-10.....   | 2270                 | 12                         | .25       | 18           | 1.9            | 5.6         | .4            | 52                              | 12                         | 8.0           | .3           | .2                         | --                           | 85               | 119              | 53                            | 10            | 124                                       | 7.1 | 220   | --               |
| Aug. 11-14.....  | 2350                 | 15                         | .58       | 21           | 2.1            | 5.4         | .4            | 55                              | 13                         | 7.0           | .3           | .1                         | --                           | 92               | 123              | 61                            | 16            | 139                                       | 7.3 | 180   | --               |
| Aug. 15-20.....  | 1880                 | 18                         | .21       | 33           | 4.3            | 7.6         | .4            | 92                              | 25                         | 9.0           | .3           | .4                         | --                           | 143              | 172              | 100                           | 24            | 224                                       | 7.9 | 160   | --               |
| Aug. 21.....   | 1620                 | --                         | --        | 42           | 2.2            | 8.7         | .6            | 100                             | 29                         | 13            | --           | --                         | --                           | --               | --               | 114                           | 32            | 245                                       | 7.0 | --    | --               |
| Aug. 22-31.....  | 1670                 | 12                         | .22       | 24           | 2.9            | 5.0         | .4            | 63                              | 18                         | 8.0           | .3           | .3                         | --                           | 102              | 136              | 72                            | 20            | 163                                       | 7.7 | 180   | --               |
| Sept. 1-4.....   | 1790                 | 9.2                        | .16       | 30           | 4.4            | 5.6         | .7            | 74                              | 18                         | 10            | .3           | .6                         | --                           | 115              | 136              | 93                            | 32            | 192                                       | 7.1 | 130   | --               |
| Sept. 5-11.....  | 1670                 | 13                         | .13       | 35           | 3.8            | 6.5         | .7            | 93                              | 25                         | 10            | .3           | .9                         | --                           | 141              | 159              | 103                           | 27            | 231                                       | 7.1 | 150   | --               |
| Sept. 12-19.....                                       | 2180                 | 8.9                        | .20       | 13           | 2.3            | 4.4         | .6            | 37                              | 7.2                        | 8.0           | .3           | .5                         | --                           | 63               | 88               | 42                            | 12            | 98  | 6.7 | 160   | --               |
| Sept. 21-25.....                                       | 1850                 | 12                         | .15       | 36           | 3.9            | 5.7         | .8            | 94                              | 28                         | 10            | .3           | .4                         | --                           | 143              | 165              | 106                           | 29            | 232                                       | 7.2 | 160   | --               |
| Sept. 26-30.....                                       | 1560                 | 6.8                        | .18       | 13           | 2.1            | 3.9         | .6            | 36                              | 6.8                        | 8.0           | .3           | .4                         | --                           | 60               | 88               | 41                            | 12            | 95  | 6.7 | 160   | --               |
| Time-weighted average.....                             | 1444                 | 13                         | 0.12      | 37           | 5.1            | 6.5         | 0.6           | 100                             | 28                         | 9.7           | 0.3          | 0.5                        | --                           | --               | 176              | 114                           | 32            | 247                                       | --  | 100   | --               |

E Estimated discharge      I Result of discharge measurement      S Stage in feet

1 Time-weighted average for the year ending September 30.

2 Time-weighted average for period July 1957 to September 1958

Table 3. Record of Wells

Well number: See text for explanation of well-numbering system.

Location: See Figure 3.

Aquifer: W, water-table aquifer (comprises the Pleistocene and Recent deposits, Older Pleistocene terrace deposits, Unnamed coarse clastics, Choctawhatchee and Hawthorn Formations); SA, secondary artesian aquifer (comprises the Choctawhatchee and Hawthorn Formations); F, Floridan aquifer (comprises the Hawthorn Formation, Suwannee Limestone, Ocala Group, Avon Park Limestone, and Lake City Limestone).

Measuring point: L, land surface; TB, top of bushing; TC, top of casing; TCB, top of concrete curbing; TCO, top of coupling; TCR, top of cross; TD, top of discharge pipe; TDC, top of drain cover; TE, top of elbow; TF, top of flange; TFA, top of faucet; TP, top of plug; TPB, top of pump base; TPS, top of pitcher pump spout; TSR, top of steel rod; TT, top of tee; TV, top of valve.

Elevation of measuring point determined by: A, altimeter; EL, engineers' level; T, topographic map.

Water level: R, reported; otherwise measured.

Use: D, domestic; DR, drainage; F, fire; ID, industrial; IR, irrigation; N, none; O, observation; OT, oil test; P, public supply; RR, railroad; S, stock.

Remarks: A, auger hole; CE, cuttings on file with Corps of Engineers; CF, cuttings on file with Florida Geological Survey; Ds, destroyed; E, electric log available; G, gamma ray log available; RQ, rock quarry; S, sinkhole; WF, well filled in; WP, well plugged; Al-1 (Alachua-1), B-1 (Bradford-1); C-1 (Clay-1), numbers for wells published in Water-Supply Paper 773-C; Clay-5 (Clay-5), numbers for wells published in the water-level report series of the U.S. Geological Survey.

| Well number    | Location  | Owner            | Driller                   | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|----------------|---|------------------|---------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|                |   |                  |                           |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| Alachua County |   |                  |                           |   |              |                   |         |                 |   |                                       |   |                     |                  |     |         |
| 927-203-1      | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 12 S., R. 22 E. | W. A. Shanda     | -----                     | 73  | -----        | 6                 | F       | L               | 0.0   | 57 A                                  | +0.11                                     | 8- 6-56             | 72               | Ir  |         |
| 929-204-1      | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 11 S., R. 22 E. | J. G. Brown      | R. L. Williams            | 95  | -----        | 6                 | F       | TC              | -2  | 80 A                                  | 24.08<br>20.59                            | 2- 8-56<br>12-16-58 | ----             | Dr  | E       |
| 929-206-1      | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 11 S., R. 22 E. | -----            | Corps of Engineers        | 10  | -----        | 6                 | F       | ----            | -----   | 65.58 EL                              | -----                                     | -----               | ----             | N   | CE      |
| 929-209-1      | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 11 S., R. 21 E. | Ben Wheeler      | Acme Drilling Co.         | 161                                       | -----        | 4                 | F       | TC              | 1.15  | 65.45 EL                              | 8.87<br>8.63                              | 6- 3-58<br>12-16-58 | ----             | D   |         |
| 929-213-1      | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 11 S., R. 21 E. | J. E. Thrasher   | -----                     | 57  | 54           | 2                 | F       | TC              | 2.1   | 63.87 EL                              | 9.74                                      | 4-11-58             | 69.7             | D   |         |
| 929-214-1      | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 11 S., R. 21 E. | W. I. Gill       | Gainesville Equipment Co. | 157                                       | 41           | 4                 | F       | TC              | .5  | 146.69 EL                             | 92.22                                     | 10-23-58            | 70.2             | D   |         |
| 930-205-1      | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 11 S., R. 22 E. | John W. Thomas   | -----do-----              | 150                                       | -----        | 4                 | F       | TC              | .5  | 74 A                                  | 15.73                                     | 10-14-59            | ----             | D   |         |
| 930-206-1      | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 11 S., R. 22 E. | L. E. Richardson | -----                     | 80  | -----        | 3                 | F       | TC              | .5  | 60 T                                  | -----                                     | -----               | ----             | D   |         |
| 930-206-2      | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 11 S., R. 22 E. | Ted Polk         | Cherry Wallace            | 66  | 60           | 2                 | F       | TC              | 1.0   | 55 T                                  | +2.41                                     | 10-14-59            | ----             | D   |         |

Table 3.--Continued

| Well number | Location  | Owner                          | Driller            | Depth of well, in feet below land surface | Casing       |                   |             | Aquifer | Measuring point                                 |                                       |   | Water level         |      | Temperature (°F) | Use       | Remarks |
|-------------|---|--------------------------------|--------------------|---|--------------|-------------------|-------------|---------|---|---------------------------------------|---|---------------------|------|------------------|-----------|---------|
|             |   |                                |                    |   | Depth (feet) | Diameter (inches) | Description |         | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |      |                  |           |         |
|             |   |                                |                    |   |              |                   |             |         |   |                                       |   |                     |      |                  |           |         |
| 930-206-3   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 11 S., R. 22 E. | C. H. White                    | C. H. White        | 55  | 48           | 1 $\frac{1}{2}$   | F           | TC      | 1.0   | 65 T                                  | 4.41                                      | 10-14-59            | ---- | D                |           |         |
| 930-214-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 11 S., R. 21 E. | Franklin Lumber and Basket Co. | R. L. Williams     | 45  | ----         | 2                 | SA          | TC      | .75   | -----                                 | 12.25                                     | 6- 2-58             | ---- | D, S             |           |         |
| 930-214-2   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 11 S., R. 21 E. | -----do-----                   | -----              | 83  | ----         | 4                 | ?           | TC      | .6  | -----                                 | 15.92                                     | 7- 8-58             | ---- | N                |           |         |
| 930-216-1   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 11 S., R. 20 E. | Mrs. Jean Clark                | Acme Drilling Co.  | 67  | 55           | 4                 | F           | TC      | .2  | 98.45 EL                              | 31.8                                      | 4- 7-58             | ---- | F                | CF        |         |
| 930-216-2   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 11 S., R. 20 E. | Franklin Lumber and Basket Co. | J. J. Hare         | 145                                       | ----         | ----              | F           | TPB     | 1.6   | 101.03 EL                             | 43.87                                     | 7- 2-58             | 71   | Id               |           |         |
| 930-216-3   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 11 S., R. 20 E. | -----do-----                   | -----              | 65  | ----         | ----              | SA          | ----    | -----   | -----                                 | -----                                     | -----               | ---- | Id               |           |         |
| 930-216-4   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 11 S., R. 20 E. | -----do-----                   | -----              | 20  | ----         | 132               | W           | L       | .0  | 102.55                                | 6.27                                      | 7- 2-58             | ---- | Id               |           |         |
| 930-216-5   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 11 S., R. 20 E. | Mrs. J. R. Whiting             | Barr and Watkins   | 8   | 97           | 6                 | F           | TC      | .0  | 124 T                                 | 69.2                                      | 4-22-34             | ---- | N                | A1-17, WE |         |
| 930-217-1   | SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 11 S., R. 20 E. | J. E. Thrasher                 | Dibble and Ernest  | 150                                       | ----         | 4                 | F           | ----    | -----   | 96.46 EL                              | -----                                     | -----               | ---- | N                | CF, WE    |         |
| 930-217-2   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 11 S., R. 20 E. | Town of Micanopy               | C. B. Hunter       | 75  | ----         | 4                 | F           | TC      | 2   | 116 T                                 | 62.0                                      | -----               | ---- | F                | A1-18     |         |
| 931-206-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 11 S., R. 22 E. | F. X. Brenneis                 | Acme Drilling Co.  | 55  | 31           | 3                 | F           | L       | .0  | 70.26 EL                              | 0 R                                       | 2-20-48             | ---- | D                | CF        |         |
| 931-210-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 11 S., R. 21 E. | Corps of Engineers             | Corps of Engineers | 5   | ----         | 6                 | F           | ----    | -----   | 78.02 EL                              | -----                                     | -----               | ---- | N                | CF, WE    |         |
| 931-218-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 11 S., R. 20 E. | Univ. of Florida Camp Wauberg  | J. J. Hare         | 120                                       | 81           | 4                 | F           | TC      | .0  | 96 A                                  | 30.98                                     | 5- 7-59             | 72   | F                |           |         |
| 931-218-2   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 11 S., R. 20 E. | J. J. Hare                     | -----do-----       | 85  | 31           | 4                 | F           | TC      | 1.0   | 109 A                                 | 51.52                                     | 5- 7-59             | 72   | N                |           |         |

| Well number | Location                               | Owner                          | Driller              | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|--|--------------------------------|----------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |  |                                |                      |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
| 931-219-1   | Land grant, T. 11 S., R. 20 E.         | James Warrington               | J. J. Hare           | -----                                     | -----        | -----             | F(?)    | -----       | -----   | -----                                 | -----                                     | -----               | -----            | ---   |         |
| 931-231-1   | NE¼SE¼ sec. 17, T. 11 S., R. 18 E.     | Maddox Foundry and Machine Co. | J. O. Edson          | 155                                       | 155          | 6                 | F       | TPB         | .5  | 81 T                                  | 30 R                                      | -----               | -----            | P, Id | A1-7    |
| 931-231-2   | NE¼SE¼ sec. 17, T. 11 S., R. 18 E.     | -----do-----                   | Stevens-Southern Co. | 220                                       | -----        | -----             | F       | -----       | -----   | -----                                 | -----                                     | -----               | -----            | P, Id |         |
| 932-205-1   | NE¼SW¼ sec. 10, T. 11 S., R. 22 E.     | Ira Brahm                      | Sam Jordan           | 56  | -----        | 3                 | SA      | TC          | -----   | 85 T                                  | 18 R                                      | 10- -52             | -----            | D     |         |
| 932-215-1   | Land grant, T. 11 S., R. 20 E.         | T. A. Jensen                   | J. J. Hare           | 110                                       | 80           | 4                 | F       | TC          | .0  | 94 A                                  | 19.47                                     | 5- 8-59             | 72               | D     |         |
| 932-222-1   | NW¼SW¼ sec. 12, T. 11 S., R. 19 E.     | Hull's Dairy                   | -----do-----         | 85  | 51           | 4                 | F       | TC          | 1.0   | 83 A                                  | 27.31                                     | 5- 7-59             | 72               | S     |         |
| 932-231-1   | NW¼NW¼ sec. 16, T. 11 S., R. 18 E.     | Brica Wood Preserving Plant    | Acme Drilling Co.    | 150                                       | -----        | 6                 | F       | TC          | 1.0   | 86.90 EL                              | 40.07                                     | 9-20-58             | 74.5             | Id    |         |
| 933-206-1   | NE¼NE¼ sec. 9, T. 11 S., R. 22 E.      | George Stanley                 | Bemus                | 97  | -----        | 4                 | F       | TC          | 1.0   | 90 T                                  | 19 R                                      | 1952                | -----            | D     |         |
| 933-212-1   | NE¼NW¼ sec. 9, T. 11 S., R. 21 E.      | Frank Adams                    | Frank Adams          | 32  | -----        | 2                 | W       | TC          | 2   | 80 T                                  | 10 R                                      | 1950                | -----            | D     |         |
| 933-219-1   | SW¼SE¼ sec. 5, T. 11 S., R. 20 E.      | Camp Ranch Inc.                | J. J. Hare           | 101                                       | 63           | 4                 | F       | TC          | 1.0   | 89 A                                  | 31.76                                     | 5- 7-59             | 72               | D     |         |
| 933-223-1   | SW¼NW¼ sec. 11, T. 11 S., R. 19 E.     | Wacahoota Church               | -----                | 22  | -----        | 2                 | W       | TC          | 1.0   | -----                                 | 9.08                                      | 5- 7-59             | -----            | P     |         |
| 933-232-1   | NE¼SW¼ sec. 5, T. 11 S., R. 18 E.      | C. T. Farley                   | Acme Drilling Co.    | -----                                     | -----        | 4                 | F(?)    | -----       | -----   | 83.68 EL                              | -----                                     | -----               | -----            | D, S  | CF      |
| 933-236-1   | SE¼SW¼ sec. 33, T. 10 S., R. 17 E.     | Brown                          | -----                | 19  | -----        | 1½                | W       | TI          | 3   | -----                                 | 14.46                                     | 7-15-58             | 72               | D     |         |
| 934-211-1   | Land grant, sec 34, T. 10 S., R. 21 E. | Owen-Illinois                  | -----                | 23  | -----        | 1½                | W       | TC          | 2.0   | 100 T                                 | 4.53                                      | 10-15-59            | -----            | D     |         |



| Well number | Location   | Owner                     | Driller                      | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Measuring point |  |   | Water level                                     |                        | Temperature (°F) | Use | Remarks |
|-------------|--|---------------------------|------------------------------|---|--------------|----------------------|---------|-----------------|--|---|---|------------------------|------------------|-----|---------|
|             |  |                           |                              |   | Depth (feet) | Diameter<br>(inches) |         | Description     | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above ( ) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |     |         |
|             |  |                           |                              |   |              |                      |         |                 |  |   |   |                        |                  |     |         |
| 935-204-1   | SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 25,<br>T. 10 S., R. 22 E. | G. C. McClellan           | -----                        | 63  | 43           | 3                    | SA      | TC              | 0.85   | 133 T                                       | 21.05   | 8- 2-56                | ----             | N   |         |
| 935-204-2   | NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 26,<br>T. 10 S., R. 22 E. | Florida Forest<br>Service | E. R. Benedict               | 126   | ----         | 2                    | F       | ----            | ----   | 160.54 EL                                   | -----   | -----                  | ----             | D   | CF      |
| 935-204-3   | NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 26,<br>T. 10 S., R. 22 E. | C. E. Titus               | C. B. Pitzer                 | 82  | 55           | 2                    | SA      | TC              | 1.5  | 150 T                                       | 16 R  | 5- -56                 | 72               | D   |         |
| 935-204-4   | SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 26,<br>T. 10 S., R. 22 E. | R. E. Gregory             | -----do-----                 | 82  | 55           | 2                    | SA      | TC              | 1.0  | 135 T                                       | 16 R  | 6- -58                 | ----             | D   |         |
| 935-205-1   | NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec. 35,<br>T. 10 S., R. 22 E. | City Products<br>Corp.    | -----                        | 86  | 150          | 6                    | F       | TC              | .0   | 141 A                                       | 60.15   | 4-16-58                | ----             | N   | AI-16   |
| 935-205-2   | NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 27,<br>T. 10 S., R. 22 E. | City of<br>Hawthorne      | -----                        | 335   | ----         | ----                 | F       | ----            | ----   | 151.31 EL                                   | -----   | -----                  | ----             | --- | CF      |
| 935-206-1   | SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec. 27,<br>T. 10 S., R. 22 E. | Lonnie Harris             | Lewis Ivey                   | 90  | 80           | 2                    | SA      | TC              | 1  | 135 T                                       | 7.5 R   | 3- -56                 | ----             | D   |         |
| 935-207-1   | NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 29,<br>T. 10 S., R. 22 E. | Joe Lovell                | -----do-----                 | 92  | 84           | 2                    | SA      | TC              | 1.0  | 125 T                                       | 18 R  | 8- -58                 | ----             | D   |         |
| 935-208-1   | NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec. 31,<br>T. 10 S., R. 22 E. | Kelley                    | J. R. Williams               | 88  | 30           | ----                 | F       | ----            | ----   | 65 T  | -----   | -----                  | 73               | P   |         |
| 935-208-2   | -----do-----   | -----do-----              | -----do-----                 | 88  | 30           | ----                 | F       | ----            | ----   | 65 T  | -----   | -----                  | 73               | P   |         |
| 935-208-3   | -----do-----   | -----do-----              | -----do-----                 | 108   | 30           | ----                 | F       | ----            | ----   | 65 T  | -----   | -----                  | 73               | P   |         |
| 935-208-4   | -----do-----   | -----do-----              | -----do-----                 | 52  | 30           | ----                 | F       | ----            | ----   | 65 T  | -----   | -----                  | 73               | P   |         |
| 935-208-5   | -----do-----   | -----do-----              | -----do-----                 | ----  | ----         | ----                 | F       | ----            | ----   | 65 T  | -----   | -----                  | 73               | P   |         |
| 935-208-6   | -----do-----   | -----do-----              | -----do-----                 | 55  | 32           | 4                    | F       | ----            | ----   | 65 T  | -----   | -----                  | ----             | P   |         |
| 935-208-7   | -----do-----   | -----do-----              | -----do-----                 | 72  | 22           | 4                    | F       | TC              | 5.97   | 62 T  | 4.17  | 7-25-58                | 71.4             | P   |         |
| 935-209-1   | SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 23,<br>T. 10 S., R. 21 E. | Mrs. Baulah<br>Jenkins    | Gainesville<br>Equipment Co. | 69  | ----         | 4                    | F       | TC              | .5   | 103 A                                       | 21.0<br>22.13                                   | 10-13-59<br>6-23-60    | ----             | D   |         |

| Well number | Location                              | Owner                   | Driller                   | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       |   | Water level         |      | Temperature (°F) | Use       | Remarks |
|-------------|---------------------------------------|-------------------------|---------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------|------------------|-----------|---------|
|             |                                       |                         |                           |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |      |                  |           |         |
| 935-209-2   | NW¼NW¼ sec. 25, T. 10 S., R. 21 E.    | R. C. Brown             | Ralph Mathews             | 78  | 77           | 2                 | F       | TC          | 0.5   | 99 T                                  | 21 R                                      | 9-1-59              | ---- | P                |           |         |
| 935-211-1   | NW¼NW¼ sec. 27, T. 10 S., R. 21 E.    | Owen-Illinois Glass Co. | -----                     | 117                                       | -----        | 4                 | F       | TS          | 1.0   | 116 A                                 | 37.17<br>39.46                            | 5-8-59<br>6-23-60   | 72   | F                |           |         |
| 935-213-1   | SW¼NW¼ sec. 28, T. 10 S., R. 21 E.    | Atlantic Coast-line RR  | -----                     | 395                                       | -----        | 6                 | F       | TC          | .5  | 80.7 EL                               | 14  | 4-22-34             | ---- | N                | De, A1-15 |         |
| 935-213-2   | SW¼NW¼ sec. 29, T. 10 S., R. 21 E.    | H. J. Hogan             | J. J. Hare                | 96  | -----        | 4                 | F       | TC          | 1.0   | 80 A                                  | 13.47                                     | 5-8-59              | 72   | D                |           |         |
| 935-220-1   | McIntosh Grant, T. 10 S., R. 20 E.    | F. W. Buchholz          | Gainesville Equipment Co. | 124                                       | 43           | 4                 | F       | TC          | .0  | 72.22 EL                              | 18.57                                     | 4-24-58             | ---- | D                |           |         |
| 935-220-2   | -----do-----                          | Hume                    | -----do-----              | 96  | 83           | 4                 | F       | L           | .0  | 80.12 EL                              | 28 R                                      | 1955                | ---- | D                |           |         |
| 935-220-3   | -----do-----                          | S. M. Wall              | -----do-----              | 346                                       | 210          | ----              | F       | ----        | -----   | -----                                 | -----                                     | -----               | ---- | S                |           |         |
| 935-221-1   | G. W. James Grant, T. 10 S., R. 19 E. | D. O. Spinks            | -----do-----              | 140                                       | 65           | 4                 | F       | TC          | .4  | 117.16 EL                             | 55.75                                     | 5-7-58              | ---- | D                |           |         |
| 935-225-1   | NW¼SE¼ sec. 29, T. 10 S., R. 19 E.    | H. L. Brover            | J. J. Hare                | 80  | 61           | 4                 | F       | TC          | 1.0   | 94 A                                  | 40.69                                     | 5-8-59              | 72   | S                |           |         |
| 935-233-1   | NW¼SW¼ sec. 25, T. 10 S., R. 17 E.    | U.S. Geological Survey  | U.S. Geological Survey    | 7   | 5            | 1½                | ----    | TC          | .0  | 50.02 EL                              | 4.94                                      | 2-10-58             | 57   | O                |           |         |
| 936-207-1   | NE¼NW¼ sec. 29, T. 10 S., R. 22 E.    | Ray Waits               | Gainesville Equipment Co. | 105                                       | 75           | 4                 | F       | TC          | 1.0   | 109 A                                 | 32.73<br>33.76                            | 9-25-59<br>6-23-60  | ---- | D                |           |         |
| 936-212-1   | SE¼SE¼ sec. 21, T. 10 S., R. 21 E.    | Marie Grisby            | -----                     | 50  | 42           | 2                 | W       | TC          | .5  | -----                                 | 20.82                                     | 10-13-59            | ---- | D                |           |         |
| 936-220-1   | G. W. James Grant, T. 10 S., R. 20 E. | R. N. Howe              | J. J. Hare                | 92  | -----        | 4                 | F       | TC          | 1.2   | 67.95 EL                              | 14.98                                     | 4-7-58              | ---- | N                | CF        |         |
| 936-220-2   | -----do-----                          | -----do-----            | -----do-----              | 208                                       | 258          | 6                 | F       | TS          | 1.1   | 68.48 EL                              | 16.38                                     | 4-4-58              | ---- | Ir               | CF        |         |
| 936-220-3   | -----do-----                          | Frank Tabor             | -----do-----              | 90  | -----        | 4                 | F       | TS          | .55   | 75.77 EL                              | 21.25                                     | 4-4-58              | 74   | P                |           |         |

| Well number | Location                           | Owner                  | Driller                       | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|------------------------------------|------------------------|-------------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |                                    |                        |                               |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
|             |                                    |                        |                               |   |              |                   |         |                 |   |                                       |   |                     |                  |     |         |
| 936-223-1   | NW¼NE¼ sec. 22, T. 10 S., R. 19 E. | R. Vogh                | Libby and Freeman             | 75  | 54           | 4                 | F       | TC              | 1.1   | 79.69 EL                              | 32.94                                     | 11-18-57            | ----             | D   |         |
| 936-236-1   | SW¼NW¼ sec. 22, T. 10 S., R. 17 E. | U.S. Geological Survey | Central Florida Well Drillers | 252                                       | 136          | 8                 | F       | TCo             | 3.7   | 76.27 EL                              | 28.91                                     | 7-29-58             | ----             | O   | CF, E   |
| 936-236-2   | NW¼NW¼ sec. 22, T. 10 S., R. 17 E. | Esse Mae Hunt          | David Jones                   | -----                                     | 93           | 2                 | F       | ----            | -----   | -----                                 | -----                                     | -----               | 73.9             | D   |         |
| 936-236-3   | NW¼SE¼ sec. 21, T. 10 S., R. 17 E. | C. J. Boyd             | John Spivey                   | 365                                       | 48           | 10                | F       | L               | .0  | -----                                 | 32.33                                     | 8- 5-57             | 75.9             | Ir  |         |
| 936-236-4   | -----do-----                       | -----do-----           | Sadler Taylor Co.             | 312                                       | 211          | 10                | F       | L               | .0  | 76.93 EL                              | 43.3 R                                    | 4- -57              | ----             | Ir  |         |
| 937-205-1   | SW¼SW¼ sec. 14, T. 10 S., R. 22 E. | W. T. Dickerson, Jr.   | Gainesville Equipment Co.     | 205                                       | 110          | 8                 | F       | TPB             | 1.0   | -----                                 | 34.40                                     | 6- 2-60             | 72               | Ir  |         |
| 937-212-1   | SE¼NW¼ sec. 15, T. 10 S., R. 21 E. | Dick Surrency          | -----do-----                  | 39  | -----        | 1½                | W       | TC              | .9  | -----                                 | 4.49                                      | 4-25-58             | ----             | N   |         |
| 937-212-2   | -----do-----                       | -----do-----           | Gainesville Equipment Co.     | 222                                       | 162          | 4                 | F       | TC              | 1.0   | 91.55 EL                              | 15.33                                     | 11- 3-58            | 71.5             | D   |         |
| 937-212-3   | -----do-----                       | -----do-----           | U.S. Geological Survey        | 8   | 5            | 1½                | W       | TC              | .0  | 91.5 EL                               | 3.17                                      | 12-18-58            | 67               | O   |         |
| 937-216-1   | NW¼NE¼ sec. 14, T. 10 S., R. 20 E. | Fred Dugger            | Gainesville Equipment Co.     | 125                                       | 43           | 4                 | F       | L               | .0  | 155.93 EL                             | 75 R                                      | 7-31-54             | ----             | D   | CF      |
| 937-217-1   | SE¼SW¼ sec. 11 T. 10 S., R. 20 E.  | Hugh Simmons           | -----do-----                  | 193                                       | 88           | 4                 | F       | L               | .0  | 159.07 EL                             | 110 R                                     | 7-22-55             | ----             | D   |         |
| 937-219-1   | NE¼NE¼ sec. 1, T. 10 S., R. 20 E.  | City of Gainesville    | Stevens Southern Co.          | 370                                       | 116          | 16                | F       | L               | .0  | 96.97 EL                              | 50 R                                      | 12-30-50            | ----             | Id  | CF      |
| 937-222-1   | SW¼NE¼ sec. 14 T. 10 S., R. 19 E.  | Hugh Granger           | Gainesville Equipment Co.     | 158                                       | 90           | ----              | F       | ----            | -----   | 72.71 EL                              | -----                                     | -----               | ----             | F   |         |
| 937-222-2   | -----do-----                       | -----do-----           | -----do-----                  | -----                                     | -----        | ----              | F       | ----            | -----   | -----                                 | -----                                     | -----               | ----             | F   |         |
| 937-223-1   | SW¼SW¼ sec. 14, T. 10 S., R. 19 E. | J. P. Ahrano           | -----do-----                  | 275                                       | 203          | 4                 | F       | TS              | .3  | 85.18 EL                              | 33.4                                      | 5- 8-58             | ----             | D   | CF      |

| Well number | Location                              | Owner                  | Driller                          | Depth of well, in feet below land surface | Casing       |                   |         | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|---------------------------------------|------------------------|----------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |                                       |                        |                                  |   | Depth (feet) | Diameter (inches) | Aquifer |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| 937-232-1   | NW¼NW¼ sec. 17,<br>T. 10 S., R. 18 E. | Harry Dixon            | Gainesville<br>Equipment Co.     | 144                                       | 90           | 10                | F       | L           | 0,0   | 89.94 EL                              | 48.91                                     | 2-21-58             | ----             | Ir  |         |
| 938-206-1   | SW¼NW¼ sec. 10,<br>T. 10 S., R. 22 E. | S. H. Baylor           | -----do-----                     | 180                                       | 84           | 4                 | F       | TC          | .5  | 138 A                                 | 51.5<br>52.03                             | 9-12-59<br>9-23-59  | ----             | D   |         |
| 938-208-1   | NW¼SE¼ sec. 7,<br>T. 10 S., R. 21 E.  | J. V. Arnette          | -----do-----                     | 63  | -----        | 4                 | SA      | TC          | .5  | 123 A                                 | 22.85<br>26.08                            | 9-23-59<br>6-23-60  | ----             | D   |         |
| 938-211-1   | SW¼SW¼ sec. 2,<br>T. 10 S., R. 21 E.  | C. F. Wilkerson        | A. L. Nobles                     | 80  | 63           | 2                 | F       | TC          | .5  | 102 T                                 | 35 R                                      | 2- -57              | ----             | D   |         |
| 938-211-2   | NE¼SW¼ sec. 2,<br>T. 10 S., R. 21 E.  | Randall Graves         | R. E. Mathews                    | 95  | 84           | 2                 | F       | TC          | .5  | 113 T                                 | 29.03                                     | 10-12-59            | ----             | D   |         |
| 938-211-3   | NW¼SW¼ sec. 2,<br>T. 10 S., R. 21 E.  | H. A. Smith            | E. McGollia                      | 102                                       | 84           | 2                 | F       | TC          | .0  | 110 T                                 | 35 R                                      | 11- -56             | ---              | D   |         |
| 938-211-4   | NE¼SE¼ sec. 3,<br>T. 10 S., R. 21 E.  | Bill Edwards           | A. L. Nobles                     | 95  | 84           | 4                 | F       | TC          | 2.2   | 95 T                                  | 9.47                                      | 10-12-59            | ----             | N   |         |
| 938-211-5   | NE¼SE¼ sec. 3<br>T. 10 S., R. 21 E.   | -----do-----           | -----do-----                     | 115                                       | 112          | 4                 | F       | TC          | .0  | 95 T                                  | 8.27                                      | 10-12-59            | ----             | Ir  |         |
| 938-216-1   | SW¼NE¼ sec. 11,<br>T. 10 S., R. 20 E. | Florida Fryers         | Libby and<br>Freeman             | 594                                       | 430          | 6                 | F       | TPB         | .0  | -----                                 | 85.5                                      | 11-15-57            | ----             | Id  |         |
| 938-217-1   | SW¼NW¼ sec. 11,<br>T. 10 S., R. 20 E. | Charles O'Neal         | Acme Drilling<br>Co.             | 79  | 50           | 3                 | F       | L           | .0  | 138.1 EL                              | 31 R                                      | 2-18-48             | ----             | P   | CF      |
| 938-217-2   | SE¼NW¼ sec. 11,<br>T. 10 S., R. 20 E. | Guy Saferight          | Gainesville<br>Equipment Co.     | 224                                       | 88           | 6                 | F       | L           | .0  | 161.42 EL                             | 115 R                                     | 6-11-55             | ----             | P   |         |
| 938-218-1   | NW¼NW¼ sec. 9,<br>T. 10 S., R. 20 E.  | City of<br>Gainesville | Central Florida<br>Well Drillers | 713                                       | 153          | 24                | F       | TC          | .65   | 130 T                                 | 99.95                                     | 11-18-57            | 75.8             | P   |         |
| 938-219-1   | SE¼SE¼ sec. 5,<br>T. 10 S., R. 20 E.  | Black Laboratory       | Libby and<br>Freeman             | -----                                     | 120          | 6                 | F       | ----        | -----   | 143.32 EL                             | 99 R                                      | -----               | 73               | Id  | CF      |
| 938-219-2   | NW¼NE¼ sec. 8,<br>T. 10 S., R. 20 E.  | Atlantic Ice<br>Co.    | -----do-----                     | 545                                       | -----        | ----              | F       | TPB         | 1.6   | 139.3 EL                              | 95.0                                      | 11-17-34            | 72               | Id  |         |

| Well number | Location                           | Owner                   | Driller                       | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|------------------------------------|-------------------------|-------------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |                                    |                         |                               |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (°) or below measuring point (feet) | Date of measurement |                  |     |         |
| 938-219-3   | NW¼NE¼ sec. 8, T. 10 S., R. 20 E.  | Atlantic Ice Co.        | Gray and Stevens              | 243                                       | 123          | 10                | F       | TPB             | 1.0   | 142 T                                 | 95.8 R                                    | 11-17-34            | 69               | Id  | Al-14   |
| 938-219-4   | SW¼SW¼ sec. 4, T. 10 S., R. 20 E.  | City of Gainesville     | Gray Well and Pump Co.        | 407                                       | -----        | 18                | F       | ----            | -----   | 140 T                                 | -----                                     | -----               | ----             | P   |         |
| 938-219-5   | -----do-----                       | -----do-----            | -----do-----                  | 365                                       | -----        | 12                | F       | ----            | -----   | 140 T                                 | -----                                     | -----               | ----             | P   |         |
| 938-219-6   | -----do-----                       | -----do-----            | Layne-Atlantic                | 464                                       | 173          | 30                | F       | TPB             | 1.1   | 142.80 EL                             | 99.64                                     | 11-15-57            | ----             | P   | CF      |
| 938-219-7   | SE¼SE¼ sec. 5, T. 10 S., R. 20 E.  | City of Gainesville     | -----do-----                  | 421                                       | -----        | 18                | F       | TPB             | 1.62  | 142.75 EL                             | 106.08                                    | 11-18-57            | ----             | P   |         |
| 938-219-8   | NW¼NW¼ sec. 9, T. 10 S., R. 20 E.  | -----do-----            | Central Florida Well Drillers | 743                                       | 152          | 24                | F       | TPB             | .7  | 130 T                                 | 95  | 11-12-57            | 75               | P   | CF      |
| 938-219-9   | -----do-----                       | -----do-----            | -----do-----                  | 750                                       | 163          | 24                | F       | TPB             | 1.5   | 131 T                                 | 89.73                                     | 11-18-57            | 75               | P   | CF      |
| 938-220-1   | SW¼SE¼ sec. 6, T. 10 S., R. 20 E.  | Univ. of Florida        | Libby and Freeman             | 450                                       | 128          | 10                | F       | TPB             | .0  | 156.4 EL                              | 112.6                                     | 11- 8-57            | 71.8             | Ir  | CF      |
| 938-221-1   | SE¼NW¼ sec. 7, T. 10 S., R. 20 E.  | -----do-----            | Georgia-Florida Well Drillers | 916                                       | 290          | 20                | F       | TPB             | .0  | 79.3 EL                               | 32.8                                      | 11-11-57            | 80               | Id  | CF      |
| 938-221-2   | SW¼NE¼ sec. 7, T. 10 S., R. 20 E.  | -----do-----            | -----do-----                  | 700                                       | 188          | 20                | F       | TPB             | .3  | 73.3 EL                               | 25.8                                      | 11-11-57            | 80               | Id  | CF      |
| 938-221-3   | NE¼NW¼ sec. 7, T. 10 S., R. 20 E.  | -----do-----            | -----do-----                  | 909                                       | 183          | 24                | F       | TCb             | 1.5   | 75.5 EL                               | 28.66                                     | 11-11-57            | ----             | Id  | CF, E   |
| 938-223-1   | NE¼SE¼ sec. 3, T. 10 S., R. 19 E.  | E. E. Stanley           | Gainesville Equipment Co.     | 48  | 35           | 4                 | F       | TC              | .5  | 61.14 EL                              | 9.42                                      | 5- 6-58             | ----             | N   | CF      |
| 938-223-2   | NE¼SW¼ sec. 11, T. 10 S., R. 19 E. | Rocking Chair Rest Home | -----do-----                  | ----                                      | ----         | ----              | ---     | TC              | .0  | -----                                 | 16.8                                      | 3-18-58             | ----             | P   |         |
| 938-223-3   | -----do-----                       | -----do-----            | Acme Drilling Co.             | 135                                       | 121          | 4                 | F       | L               | .0  | 71.76 EL                              | 29 R                                      | 7-29-55             | ----             | P   | CF      |
| 938-234-1   | SE¼SW¼ sec. 1, T. 10 S., R. 17 E.  | L. B. Gravely           | Gainesville Equipment Co.     | 425                                       | 294          | 10                | F       | ----            | -----   | 92.69 EL                              | 62 R                                      | 8- 5-55             | 78               | Ir  | CF, S   |

| Well number | Location                          | Owner                                      | Driller                   | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point                                 |                                       |   | Water level         |         | Temperature (°F) | Use | Remarks   |
|-------------|-----------------------------------|--|---------------------------|---|--------------|-------------------|---------|---|---------------------------------------|---|---------------------|---------|------------------|-----|-----------|
|             |                                   |  |                           |   | Depth (feet) | Diameter (inches) |         | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |         |                  |     |           |
| 938-234-2   | NE¼SE¼ sec. 2, T. 10 S., R. 17 E. | E. H. Gravely                              | Gainesville Equipment Co. | 94  | 44           | 4                 | F       | TC  | .3                                    | 85.90 EL                                  | 55.44               | 5- 6-58 | ----             | D   |           |
| 938-235-1   | NW¼SE¼ sec. 3, T. 10 S., R. 17 E. | Mrs. Henry Holt                            | -----do-----              | 99  | 80           | 3                 | F       | L   | .0                                    | 80.62 EL                                  | 45 R                | 7- 2-54 | ----             | D   |           |
| 938-236-1   | NW¼SE¼ sec. 4, T. 10 S., R. 17 E. | City of Newberry                           | Spivey                    | 120                                       | 20           | 4                 | F       | TC  | 2                                     | 78.86 EL                                  | 38.4                | 4-16-58 | ----             | N   |           |
| 938-236-2   | -----do-----                      | -----do-----                               | -----do-----              | 120                                       | 80           | 12                | F       | L   | .0                                    | 77.29 EL                                  | 40 R                | 1- -56  | 74               | F   |           |
| 938-236-3   | -----do-----                      | -----do-----                               | Libby and Freeman         | 250                                       | 150          | 12                | F       | ----  | -----                                 | 76.71 EL                                  | -----               | -----   | ----             | N   | CF, Ds    |
| 938-237-1   | SW¼NW¼ sec. 4, T. 10 S., R. 17 E. | -----do-----                               | E. A. Durst               | 118                                       | 67           | 10                | F       | L   | .0                                    | 84 T                                      | 41 R                | -----   | 74               | F   | Al-5      |
| 939-204-1   | SE¼NW¼ sec. 2, T. 10 S., R. 22 E. | Seth T. Miller                             | Pitzer                    | 65  | -----        | 2                 | SA      | TC  | .5                                    | 120 T                                     | 31.23               | 9-22-59 | ----             | N   |           |
| 939-204-2   | -----do-----                      | -----do-----                               | Sam Jordan                | 68  | 42           | 2                 | SA      | TC  | .5                                    | 120 T                                     | 32 R                | 6- -58  | ----             | D   |           |
| 939-215-1   | SE¼NE¼ sec. 1, T. 10 S., R. 20 E. | W. R. Owens                                | J. J. Hara                | 87  | -----        | 4                 | SA      | L   | .0                                    | 101.7 EL                                  | 55 R                | 1951    | ----             | D   | CF        |
| 939-216-1   | NE¼SW¼ sec. 1, T. 10 S., R. 20 E. | R. C. Dean                                 | Gainesville Equipment Co. | 78  | -----        | ----              | SA      | ----  | -----                                 | 123.08 EL                                 | -----               | -----   | ----             | --- |           |
| 939-217-1   | SW¼NE¼ sec. 3, T. 10 S., R. 20 E. | R. C. Leary                                | -----do-----              | 194                                       | 134          | 4                 | F       | L   | .0                                    | 145.69 EL                                 | 100 R               | 1955    | ----             | D   | CF        |
| 939-217-2   | SE¼SW¼ sec. 34, T. 9 S., R. 20 E. | Alachua County Board of Public Instruction | J. J. Hara                | 115                                       | 65           | 4                 | SA      | TC  | 1.3                                   | -----                                     | 8.60                | 7- 8-58 | ----             | F   |           |
| 939-217-3   | SW¼NE¼ sec. 3, T. 9 S., R. 20 E.  | S. M. Feagle                               | Gainesville Equipment Co. | 65  | 38           | 4                 | SA      | L   | .0                                    | -----                                     | 5 R                 | 2- 7-58 | ----             | D   |           |
| 939-219-1   | SE¼SW¼ sec. 33, T. 9 S., R. 20 E. | Dr. W. Lassiter                            | -----do-----              | 232                                       | 194          | 4                 | F       | L   | .0                                    | 184.04 EL                                 | 32 R                | 3-12-58 | ----             | D   | CF        |
| 939-219-2   | SW¼NE¼ sec. 32, T. 9 S., R. 20 E. | Gainesville Ice & Cold Storage Co.         | Gray Well and Pump Co.    | 335                                       | 120          | 8                 | F       | TPB   | 2.5                                   | 183.0 EL                                  | 144 R               | 9- 5-34 | 73               | Id  | CF, Al-12 |

| Well number | Location  | Owner                | Driller                       | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|---|----------------------|-------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |   |                      |                               |   | Depth (feet) | Diameter (Inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| 939-219-3   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32<br>T. 9 S., R. 20 E.  | Setzers Super Market | Gainesville Equipment Co.     | 244                                       | 98           | 6                 | F       | L           | 0.0   | 177.96 EL                             | 135 R                                     | 4- 1-55             | ----             | N   | CF      |
| 939-220-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31,<br>T. 9 S., R. 20 E. | R. Tassinari         | -----do-----                  | 65  | -----        | 4                 | SA      | TC          | 1.0   | -----                                 | 11.17                                     | 5-12-58             | ----             | D   |         |
| 939-220-2   | -----do-----  | -----do-----         | -----do-----                  | 236                                       | 147          | 6                 | F       | L           | .0  | 183.75 EL                             | 135.54                                    | 5-12-58             | ----             | N   |         |
| 939-221-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1,<br>T. 10 S., R. 19 E. | R. L. Black, Jr.     | -----do-----                  | 155                                       | 45           | 4                 | F       | L           | .0  | 126.51 EL                             | 83 R                                      | 12- 7-54            | ----             | Ir  | CF      |
| 939-221-2   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6,<br>T. 10 S., R. 20 E. | Mrs. Fanida Baker    | Libby and Freeman             | 247                                       | 92           | 6                 | F       | TC          | 1.1   | 147.2 EL                              | 101.04                                    | 4- 4-58             | ----             | N   | CF      |
| 939-221-3   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6,<br>T. 10 S., R. 20 E. | Univ. of Florida     | Central Florida Well Drillers | 387                                       | 77           | 6                 | F       | TC          | .0  | 132.05 EL                             | 83 R                                      | 2-22-52             | 76               | D   | CF      |
| 939-223-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3,<br>T. 10 S., R. 19 E. | Louie G. Jones       | J. J. Hars                    | 100                                       | -----        | 4                 | F       | ---         | -----   | 93.49 EL                              | -----                                     | -----               | ----             | D   | CF      |
| 939-223-2   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2,<br>T. 10 S., R. 19 E. | J. M Byrd            | Gainesville Equipment Co.     | 135                                       | 126          | 4                 | F       | TC          | .55   | 63.5 EL                               | 16.0                                      | 5- 5-58             | ----             | D   |         |
| 939-223-3   | -----do-----  | F. W. Kronmiller     | -----do-----                  | 65  | 40           | 4                 | F       | TC          | .5  | 66.64 EL                              | 15.95                                     | 5- 5-58             | ----             | D   |         |
| 939-225-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5,<br>T. 10 S., R. 19 E. | R. K. Buckley        | -----do-----                  | 162                                       | -----        | 6                 | F       | TC          | .0  | 138.29 EL                             | 91.13                                     | 5- 8-58             | ----             | N   |         |
| 939-226-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31,<br>T. 9 S., R. 19 E. | -----do-----         | -----do-----                  | 150                                       | 45           | 4                 | F       | L           | .0  | 156.76 EL                             | 110 R                                     | 11-12-54            | ----             | S   |         |
| 939-226-2   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6,<br>T. 9 S., R. 19 E.  | -----do-----         | -----do-----                  | 165                                       | 55           | 2                 | F       | L           | .0  | 159.38 EL                             | 112 R                                     | 9-24-54             | ----             | S   | CF      |
| 939-227-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1,<br>T. 10 S., R. 18 E. | G. W. Fletcher, Jr.  | -----do-----                  | 83  | 35           | 4                 | F       | L           | .0  | 95.91 EL                              | 47 R                                      | 7-20-55             | ----             | D   |         |
| 939-227-2   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36,<br>T. 9 S., R. 18 E. | Mrs. G. W. Fletcher  | -----do-----                  | 159                                       | -----        | 4                 | F       | ---         | -----   | -----                                 | -----                                     | -----               | ----             | D   |         |
| 939-230-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4,<br>T. 10 S., R. 18 E. | J. S. Jones, Jr.     | -----do-----                  | 55  | -----        | 2                 | F       | TC          | 3.0   | 91.67 EL                              | 50.59                                     | 2-14-58             | ----             | N   |         |

| Well number | Location                          | Owner                        | Driller                   | Depth of well, in feet below land surface | Casing       |                   |         | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks  |
|-------------|-----------------------------------|------------------------------|---------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-----|----------|
|             |                                   |                              |                           |   | Depth (feet) | Diameter (inches) | Aquifer |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |          |
| 930-235-1   | NW¼NE¼ sec. 3, T. 10 S., R. 17 E. | Parker Brothers              | U.S. Geological Survey    | 12  | 10           | 1½                | W       | TC          | -40   | 80 T                                  | 0.57                                      | 1-24-58             | ----             | O   |          |
| 939-236-1   | NW¼NE¼ sec. 4, T. 10 S., R. 17 E. | Atlantic Coast-line Railroad | -----                     | 75  | 75           | 8                 | F       | TC          | -27.6   | 55.9 EL                               | 11.0                                      | 4-25-34             | ----             | N   | Da, Al-6 |
| 940-205-1   | NE¼NE¼ sec. 34 T. 9 S., R. 22 E.  | Frederick Ahreno             | Gray Well and Pump Co.    | 300                                       | -----        | 8                 | F       | ----        | -----   | 150 T                                 | -----                                     | -----               | ----             | Ir  |          |
| 940-205-2   | NE¼SE¼ sec. 34 T. 9 S., R. 22 E.  | -----do-----                 | Albert H. Miller          | 220                                       | 88           | 8                 | F       | TC          | .0  | 160 A                                 | 72.79                                     | 5-27-60             | ----             | Ir  |          |
| 940-206-1   | SE¼NW¼ sec. 33, T. 9 S., R. 22 E. | R. H. Weghorst               | -----                     | 75  | -----        | 6                 | F       | L           | .0  | 163.3 EL                              | 81.5 R                                    | 11- 7-32            | ----             | N   | Al-22    |
| 940-211-1   | SW¼SW¼ sec. 26, T. 9 S., R. 21 E. | John R. Pons                 | John R. Pons              | 55  | 55           | 1½                | SA      | TC          | .0  | 105 T                                 | 20 R                                      | 11- -50             | ----             | D   |          |
| 940-211-2   | SW¼NW¼ sec. 26, T. 9 S., R. 21 E. | R. F. Nesler                 | Gainesville Equipment Co. | 189                                       | 112          | 4                 | F       | TC          | 1.0   | 100 T                                 | 27 R                                      | 10-19-59            | ----             | S   |          |
| 940-214-1   | NW¼NW¼ sec. 32, T. 9 S., R. 21 E. | Thompson                     | -----                     | 38  | -----        | 1½                | SA      | TT          | 1.1   | -----                                 | 6.24                                      | 5-15-58             | ----             | N   |          |
| 940-214-2   | NW¼NW¼ sec. 32, T. 9 S., R. 21 E. | Mrs. Muller                  | Gainesville Equipment Co. | 70  | 46           | 4                 | SA      | L           | .0  | 75.2 EL                               | 7 R                                       | 12-11-54            | ----             | D   | CF       |
| 940-217-1   | SW¼NE¼ sec., 34 T. 9 S., R. 20 E. | Florida Farm Colony          | Duval Drilling Co.        | 368                                       | 205          | 10                | F       | TC          | .5  | 170.3 EL                              | 117 R                                     | 10- -51             | 72               | P   | CF       |
| 940-217-2   | -----do-----                      | -----do-----                 | Gray Well and Pump Co.    | 350                                       | -----        | 10                | F       | ----        | -----   | 170 T                                 | -----                                     | -----               | 72.5             | P   |          |
| 940-218-1   | SW¼NW¼ sec. 34, T. 9 S., R. 20 E. | R. T. Culpepper              | Acme Drilling Co.         | 130                                       | 73           | 4                 | SA      | TC          | .4  | 172.3 EL                              | 10.24                                     | 3-26-58             | 73               | P   | CF       |
| 940-218-2   | SE¼NW¼ sec. 34, T. 9 S., R. 20 E. | Orange State Oil Co.         | Gainesville Equipment Co. | 350                                       | -----        | 4                 | F       | TC          | .5  | 175.1 EL                              | 128.58                                    | 2-25-58             | ----             | N   | CF       |
| 940-218-3   | -----do-----                      | -----do-----                 | -----do-----              | 200                                       | -----        | 3                 | F       | ----        | -----   | 175.1 EL                              | -----                                     | -----               | ----             | N   |          |
| 940-218-4   | SW¼NE¼ sec. 28, T. 9 S., R. 20 E. | S. M. Wall                   | -----do-----              | 185                                       | 180          | 4                 | F       | L           | .0  | 170.58 EL                             | 130 R                                     | 10-30-54            | ----             | D   | CF       |



| Well number | Location   | Owner                       | Driller                   | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       |   | Water level         |       | Temperature (°F) | Use    | Remarks |
|-------------|--|-----------------------------|---------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|-------|------------------|--------|---------|
|             |  |                             |                           |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |       |                  |        |         |
| 940-218-5   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 9 S., R. 20 E. | Moosa Lodge                 | J. J. Hare                | 180                                       | -----        | 4                 | F       | TC          | 0.8   | 173.66 EL                             | 125.45<br>124.28                          | 3-13-58<br>4-29-58  | ----- | N                | De, CF |         |
| 940-218-6   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 9 S., R. 20 E. | Oscar Servin                | Gainesville Equipment Co. | 60  | 48           | 4                 | SA      | TC          | .2  | 183.31 EL                             | 6.1                                       | 5-14-58             | 73    | D                |        |         |
| 940-219-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 9 S., R. 20 E. | Florida Chemical Industries | -----do-----              | 199                                       | 105          | 4                 | F       | L           | .0  | 177.15 EL                             | 85 R                                      | 8-27-54             | ----- | Id               | CF     |         |
| 940-219-2   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 9 S., R. 20 E. | Cabot Carbon Co.            | Gray Well and Pump Co.    | 442                                       | 442          | 8                 | F       | TPB         | .5  | 173 T                                 | 127 R                                     | 1932                | 73.5  | Id               | AI-11  |         |
| 940-219-3   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 9 S., R. 20 E. | Koppers Co.                 | R. M. Perry               | 390                                       | 245          | 10                | F       | TPB         | 1.0   | 175 T                                 | 130 R                                     | -----               | 73    | Id               | AI-10  |         |
| 940-219-4   | -----do-----   | -----do-----                | -----do-----              | 66  | -----        | 2                 | SA      | TC          | 2.08  | -----                                 | 50.07                                     | 4-11-58             | ----- | N                |        |         |
| 940-220-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 9 S., R. 20 E. | Suburbia Theatres Inc.      | Acma Drilling Co.         | 68  | 59           | 4                 | SA      | L           | .0  | 187.73 EL                             | 15 R                                      | 9-18-51             | ----- | P                | CF     |         |
| 940-220-2   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 9 S., R. 20 E. | -----do-----                | -----do-----              | 60  | 48           | 4                 | SA      | TC          | .7  | 181.45 EL                             | 10.14                                     | 3-26-58             | ----- | P                | CF     |         |
| 940-221-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 9 S., R. 19 E. | Annis Properties            | Gainesville Equipment Co. | 330                                       | 175          | 6                 | F       | TC          | 1   | 170 T                                 | 124.37                                    | 7-28-58             | 72.4  | P                |        |         |
| 940-221-2   | -----do-----   | -----do-----                | -----do-----              | 314                                       | 167          | 6                 | F       | TC          | .5  | 170 T                                 | 124.21                                    | 7-28-58             | 73.6  | P                |        |         |
| 940-224-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 9 S., R. 19 E. | Pierre Bejano               | -----do-----              | 172                                       | -----        | 4                 | F       | L           | .0  | 105.33 EL                             | 57.98                                     | 5- 7-58             | ----- | D                |        |         |
| 940-228-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 9 S., R. 18 E. | Sam Wahl's Construction Co. | -----do-----              | 50  | -----        | ---               | F       | TSR         | -36.0   | 47.50 EL                              | 1.55                                      | 8-13-58             | ----- | ---              | RQ     |         |
| 941-205-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 9 S., R. 22 E. | Frank Starke                | Sam Jordan                | 78  | -----        | 2                 | SA      | TC          | .0  | 135 T                                 | 15 R                                      | 9- -58              | ----- | D                |        |         |
| 941-207-1   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 9 S., R. 22 E. | Joseph C. Oberry            | Ernest McGollie           | 149                                       | 111          | 2                 | F       | ----        | -----   | 140 T                                 | -----                                     | -----               | ----- | D                |        |         |
| 941-210-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 9 S., R. 21 E. | Albert Pons                 | Albert Pons               | 65  | 65           | 1 $\frac{1}{2}$   | W       | TC          | .5  | -----                                 | 10 R                                      | 11- -47             | ----- | D                |        |         |

| Well number | Location   | Owner                 | Driller                       | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|--|-----------------------|-------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |  |                       |                               |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| 941-211-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 9 S., R. 21 E. | J. E. Wooten          | Acme Drilling Co.             | -----                                     | -----        | 4                 | F       | TC          | 0.6   | 88.5 EL                               | 12.47                                     | 6-3-58              | ----             | S   | CF      |
| 941-211-2   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 9 S., R. 21 E. | W. D. Townsend        | W. D. Townsend                | 35  | 35           | 1 $\frac{1}{2}$   | W       | TD          | 1.80  | 90 T                                  | +3.55                                     | 9-22-59             | 70.2             | D   |         |
| 941-212-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 9 S., R. 21 E. | Coastal Petroleum Co. | Gray Well and Pump Co.        | 450                                       | 447          | 10                | F       | ---         | -----   | -----                                 | -----                                     | -----               | ----             | OT  |         |
| 941-212-2   | -----do-----   | -----do-----          | -----do-----                  | 662                                       | 400          | 12                | F       | ---         | -----   | -----                                 | -----                                     | -----               | ----             | OT  |         |
| 941-212-3   | -----do-----   | -----do-----          | -----do-----                  | 75  | -----        | 10                | F       | TC          | .8  | 80.5 EL                               | 7   | 11-15-57            | ----             | OT  |         |
| 941-216-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 9 S., R. 20 E. | City of Gainesville   | Central Florida Well Drillers | 447                                       | 127          | ----              | F       | TC          | 1.35  | 144.35 EL                             | 83.30                                     | 11-21-57            | ----             | N   | CF      |
| 941-220-1   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 9 S., R. 20 E. | Harold Collins        | Acme Drilling Co.             | 195                                       | 121          | 4                 | F       | L           | .0  | 175.16 EL                             | 121 R                                     | 2-10-58             | ----             | N   | CF, WF  |
| 941-220-2   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 9 S., R. 20 E. | Francis Johnson       | Gainesville Equipment Co.     | 75  | 65           | 4                 | SA      | TC          | .5  | 167.41 EL                             | 18.7                                      | 7-2-58              | ----             | D   |         |
| 941-222-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 9 S., R. 19 E. | O. S. Briggs          | J. J. Hare                    | 163                                       | 110          | 4                 | F       | ---         | -----   | -----                                 | 125 R                                     | -----               | ----             | D   | CF      |
| 941-222-2   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 9 S., R. 19 E. | J. Johnstone          | Gainesville Equipment Co.     | 180                                       | 105          | 4                 | F       | TC          | .0  | 167.46 EL                             | 121.09                                    | 10-22-58            | 72.1             | D   |         |
| 941-224-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 9 S., R. 19 E. | E. S. Ford            | -----do-----                  | 170                                       | 99           | 4                 | F       | L           | .0  | 155.19 EL                             | 125 R                                     | 3-21-55             | ----             | D   |         |
| 941-229-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 9 S., R. 18 E. | Mrs. G. W. Fletcher   | -----do-----                  | 264                                       | 93           | 8                 | F       | TC          | .33   | 192.2 EL                              | 147.03                                    | 4-23-58             | ----             | Ir  |         |
| 941-234-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 9 S., R. 17 E. | Mrs. Cleary           | U.S. Geological Survey        | 7   | 5            | 1 $\frac{1}{2}$   | F       | TC          | -45   | -----                                 | .78                                       | 1-28-58             | 55               | O   | RQ      |
| 942-203-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 9 S., R. 22 E. | H. Walquist           | Noble                         | 111                                       | 105          | 4                 | SA      | TC          | .5  | -----                                 | 49.07                                     | 3-15-56             | ----             | D   | WF      |

| Well number | Location  | Owner                     | Driller                              | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|---|---------------------------|--------------------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |   |                           |                                      |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
|             |   |                           |                                      |   |              |                   |         |                 |   |                                       |   |                     |                  |       |         |
| 942-203-2   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13<br>T. 9 S., R. 22 E.  | J. J. Seykora,<br>Jr.     | -----                                | 17  | ----         | 4                 | W       | TC              | 0.3   | -----                                 | 3.27                                      | 7-24-59             | ----             | N     |         |
| 942-203-3   | -----do-----  | -----do-----              | -----                                | 10  | ----         | 1 $\frac{1}{2}$   | W       | TC              | 2.8   | -----                                 | 4.93                                      | 7-24-59             | ----             | N     |         |
| 942-203-4   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13,<br>T. 9 S., R. 22 E. | Mrs. Harry<br>Jackson     | Brewer                               | 365                                       | ----         | 4                 | F       | L               | .0  | -----                                 | 56 R                                      | 7-28-59             | ----             | N     | WF      |
| 942-203-5   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13,<br>T. 9 S., R. 22 E. | H. C. Segur               | H. L. Ownbey                         | 136                                       | ----         | 2                 | F       | TC              | .5  | -----                                 | 56.27                                     | 7-29-59             | ----             | D, Ir |         |
| 942-203-6   | -----do-----  | J. O. Dann                | -----do-----                         | 154                                       | 110          | 2                 | F       | L               | .0  | 140 T                                 | 67 R                                      | 2-3-56              | ----             | D, Ir |         |
| 942-206-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16,<br>T. 9 S., R. 22 E. | Carl Zillman              | Sam Jordan                           | 60  | 60           | 3                 | SA      | TC              | .0  | 170 T                                 | 15 R                                      | 1956                | ----             | D     |         |
| 942-207-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17,<br>T. 9 S., R. 22 E. | U.S. Geological<br>Survey | U.S. Soil<br>Conservation<br>Service | 24  | 24           | 1 $\frac{1}{2}$   | W       | TC              | 2.4   | 152 T                                 | 16.67                                     | 3-21-59             | ----             | O     | CF      |
| 942-210-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13,<br>T. 9 S., R. 21 E. | Pearl Adcock              | Sam Jordan                           | 82  | ----         | 2                 | SA      | ----            | -----   | 120 T                                 | -----                                     | -----               | ----             | D     |         |
| 942-216-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23,<br>T. 9 S., R. 19 E. | City of<br>Gainesville    | Layne-Atlantic<br>Co.                | 447                                       | 175          | 10                | F       | TC              | .0  | 153.20 EL                             | 90.93                                     | 12-16-58            | ----             | N     | CF      |
| 942-216-2   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13,<br>T. 9 S., R. 20 E. | Sperry Rand<br>Corp.      | Central Florida<br>Well Drillers     | 350                                       | 160          | 12                | F       | TPB             | 2.7   | 150 T                                 | 90.04                                     | 7-31-58             | 73               | Id    |         |
| 942-216-3   | -----do-----  | -----do-----              | -----                                | 522                                       | 153          | 20                | F       | TPB             | 1.0   | 153.05 EL                             | 91.10                                     | 7-30-58             | ----             | F     |         |
| 942-221-1   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18,<br>T. 9 S., R. 20 E. | U.S. Geological<br>Survey | U.S. Geological<br>Survey            | 13  | 10           | 1 $\frac{1}{2}$   | W       | TC              | 2.0   | -----                                 | 2.95                                      | 4-2-59              | 70.2             | O     |         |
| 942-227-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19,<br>T. 9 S., R. 19 E. | E. M. Beville,<br>Jr.     | Libby and<br>Freeman                 | 330                                       | 97           | 11                | F       | L               | .0  | -----                                 | 125 R                                     | 8-29-55             | ----             | Ir    | CF      |
| 943-204-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11,<br>T. 9 S., R. 22 E. | G. S. Frica               | Sam Jordan                           | 160                                       | ----         | 2                 | F       | L               | .0  | -----                                 | 70 R                                      | -----               | ----             | D, Ir |         |

| Well number | Location   | Owner                   | Driller                        | Depth of well, in feet below land surface | Casing       |                   |         | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use      | Remarks |
|-------------|--|-------------------------|--------------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|----------|---------|
|             |  |                         |                                |   | Depth (feet) | Diameter (inches) | Aquifer | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |          |         |
| 943-207-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 9 S., R. 22 E.  | H. B. Brown             | Acme Drilling Co.              | 150                                       | 95           | 4                 | F       | L               | 0.0   | 171.0 EL                              | 81 R                                      | 7-19-59             | 72.5             | D, S, Id | CF      |
| 943-208-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 9 S., R. 22 E.  | F. J. Simmons           | Sam Jordan                     | 79  | 70           | 2                 | SA      | TC              | .5  | -----                                 | 52 R                                      | 1949                | ----             | D        |         |
| 943-215-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 9 S., R. 20 E. | U.S. Geological Survey  | U.S. Geological Survey         | 18  | 15           | 1 $\frac{1}{2}$   | W       | TC              | 3.5   | -----                                 | 4.19                                      | 4- 7-59             | 69               | O        |         |
| 943-215-2   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 9 S., R. 20 E. | C. V. Wise              | Gainesville Equipment Co.      | 270                                       | 195          | 4                 | F       | L               | .0  | 165.51 EL                             | 97 R                                      | 6-26-54             | ----             | D        |         |
| 943-221-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 9 S., R. 20 E.  | Owen-Illinois Glass Co. | -----do-----                   | 230                                       | 121          | 4                 | F       | L               | .0  | 190.94 EL                             | 142 R                                     | 7-14-54             | ----             | D        | CF      |
| 943-231-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 9 S., R. 18 E.  | T. E. Cleary            | -----                          | 207                                       | 103          | 8                 | F       | TPB             | .55   | -----                                 | 53.14                                     | 6- 2-58             | ----             | Ir       |         |
| 944-205-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 8 S., R. 22 E. | R.L.S. Shipman          | -----                          | 58  | -----        | 1 $\frac{1}{2}$   | SA      | TC              | 2.0   | 130 T                                 | 10 R                                      | 9- -55              | ----             | F        |         |
| 944-206-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 8 S., R. 22 E. | V. Akers                | -----                          | 60  | 40           | 3                 | SA      | TC              | 2.0   | 182 T                                 | 50 R                                      | 1954                | ----             | D        |         |
| 944-219-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 8 S., R. 20 E. | Owen-Illinois Glass Co. | Libby and Freeman              | 802                                       | -----        | 16                | F       | ---             | -----   | 176.9 EL                              | -----                                     | -----               | ----             | OT       | CF, Da  |
| 944-222-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 9 S., R. 19 E.  | A. C. Fabrick           | Gainesville Equipment Co.      | 165                                       | 100          | 4                 | F       | L               | .0  | 188.75 EL                             | 135 R                                     | 7-15-55             | ----             | D        |         |
| 945-205-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 8 S., R. 22 E. | U.S. Geological Survey  | U.S. Soil Conservation Service | 22  | 20           | 1 $\frac{1}{2}$   | W       | TC              | .0  | 144.0 EL                              | 4.76                                      | 6-27-58             | 68.8             | O        | CF      |
| 945-212-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 8 S., R. 21 E. | Univ. of Florida        | Central Florida Well Drillers  | 448                                       | 195          | 6                 | F       | L               | .0  | 153.64 EL                             | 73 R                                      | 1- 1-55             | 74.5             | Ir       |         |
| 945-237-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 8 S., R. 17 E. | Buda Mining Co.         | -----                          | 50  | -----        | -----             | F       | TSR             | -36.2   | 37.80 EL                              | 3.09                                      | 8-12-58             | ----             | ---      | RQ      |
| 946-206-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 8 S., R. 22 E. | Rod Reese               | Gainesville Equipment Co.      | 152                                       | 141          | 4                 | F       | TC              | 1.2   | 172.42 EL                             | 87.6                                      | 6- 3-58             | ----             | D, S     | CF      |

| Well number | Location                          | Owner                  | Driller                   | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|-----------------------------------|------------------------|---------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |                                   |                        |                           |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
| 946-206-2   | NE¼SW¼ sec. 21, T. 8 S., R. 22 E. | George Rippey          | Gainesville Equipment Co. | 190                                       | 165          | 4                 | F       | L           | 0.0   | 158.51 EL                             | 85 R                                      | 11-20-54            | ----             | D     | CF      |
| 946-208-1   | SW¼NE¼ sec. 30, T. 8 S., R. 22 E. | John G. Pitz           | Sam Jordan                | 210                                       | -----        | 2                 | F       | L           | .0  | -----                                 | 60 R                                      | -----               | ----             | D, Ir |         |
| 946-210-1   | SE¼SE¼ sec. 23, T. 8 S., R. 21 E. | Herman Russell         | -----                     | 60  | 60           | 1½                | SA      | L           | .0  | 150 T                                 | 20 R                                      | -----               | ----             | D     |         |
| 946-211-1   | NE¼NW¼ sec. 27, T. 8 S., R. 21 E. | U.S. Geological Survey | U.S. Geological Survey    | 18  | 15           | 1½                | W       | TC          | 2.0   | -----                                 | 5.75                                      | 4- 7-59             | 70               | O     |         |
| 946-218-1   | SE¼NE¼ sec. 21, T. 8 S., R. 20 E. | Wilmer Thomas          | Gainesville Equipment Co. | 14  | -----        | 24                | W       | TC          | 4.0   | -----                                 | 7.58                                      | 5-15-58             | ----             | N     |         |
| 946-218-2   | SW¼NE¼ sec. 21, T. 8 S., R. 20 E. | -----do-----           | -----do-----              | 140                                       | 98           | 4                 | F       | TC          | .0  | 154.08 EL                             | 88.79                                     | 5-15-58             | ----             | D     |         |
| 946-226-1   | NE¼SW¼ sec. 20, T. 7 S., R. 19 E. | H. House               | -----                     | 17  | 17           | 4                 | W       | TC          | .9  | 156.57 EL                             | 7.60                                      | 10-29-57            | ----             | D     |         |
| 946-226-2   | NW¼SE¼ sec. 20, T. 7 S., R. 19 E. | General Electric Co.   | M. Gray Co.               | 427                                       | 87           | 12                | F       | TC          | 2.44  | 152.47 EL                             | 113.92                                    | 11-19-57            | ----             | N     | CF, E   |
| 946-228-1   | SE¼SW¼ sec. 23, T. 8 S., R. 18 E. | R. H. Cato             | Tide Water Assoc. Oil Co. | 142                                       | -----        | 8                 | F       | TC          | 3.00  | 103.60 EL                             | 64.86                                     | 5- 7-58             | ----             | N     | CF, E   |
| 947-210-1   | SW¼SE¼ sec. 14, T. 8 S., R. 21 E. | City of Waldo          | Acme Drilling Co.         | 255                                       | 175          | 6                 | F       | L           | .0  | 157.12 EL                             | 80.89                                     | 6- 3-67             | ----             | P     | CF      |
| 947-210-2   | SW¼NE¼ sec. 23, T. 8 S., R. 21 E. | A. D. Martin           | Gainesville Equipment Co. | 60  | 43           | 3                 | SA      | TC          | .3  | 154.48 EL                             | 9.18                                      | 4-16-58             | ----             | D     | CF      |
| 947-210-3   | NW¼NE¼ sec. 23, T. 8 S., R. 21 E. | City of Waldo          | -----                     | 6   | 6            | 2                 | W       | TT          | 1.0   | 157 T                                 | Dry                                       | 5-14-58             | ----             | N     |         |
| 947-210-4   | -----do-----                      | -----do-----           | -----                     | 3   | 3            | 1½                | W       | TCo         | 1.0   | 157 T                                 | Dry                                       | 5-14-58             | ----             | N     |         |
| 947-210-5   | -----do-----                      | -----do-----           | -----                     | 5   | 5            | 1½                | W       | TB          | 1.0   | 157 T                                 | Dry                                       | 5-14-58             | ----             | N     |         |
| 947-210-6   | NE¼NE¼ sec. 23, T. 8 S., R. 21 E. | City Products Corp.    | Gray Well and Pump Co.    | 39  | -----        | 3                 | W       | TPB         | .65   | 155 T                                 | 9.04                                      | 4-13-58             | ----             | N     | Al-9    |

| Well number | Location                          | Owner                                      | Driller                | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use      | Remarks  |
|-------------|-----------------------------------|--|------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|----------|----------|
|             |                                   |  |                        |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |          |          |
| 947-210-7   | NE¼SE¼ sec. 15, T. 8 S., R. 21 E. | E. T. Powell                               | -----                  | 60  | ----         | 2                 | SA      | ----            | ----  | ----                                  | ----                                      | ----                | ----             | D, Ir    |          |
| 947-225-1   | NW¼SE¼ sec. 17, T. 8 S., R. 19 E. | S. B. Cullen                               | J. J. Hare             | 134                                       | 65           | 4                 | F       | ----            | 145.05 EL                                       | ----                                  | ----                                      | ----                | ----             | D        | CF       |
| 947-229-1   | SE¼SE¼ sec. 15, T. 8 S., R. 18 E. | Town of Alachua                            | J. B. McCreezy         | 378                                       | ----         | 8                 | F       | TCb             | 1.0   | 76 T                                  | 36 R                                      | ----                | 73.5             | F        | Al-3     |
| 947-229-2   | SE¼NW¼ sec. 14, T. 8 S., R. 18 E. | -----do-----                               | Gray Well and Pump Co. | 363                                       | 100          | 10                | F       | L               | .0  | ----                                  | 34 R                                      | 1949                | 74.0             | F        |          |
| 947-229-3   | SW¼SW¼ sec. 14, T. 8 S., R. 18 E. | Copeland Sausage Co.                       | -----                  | ----                                      | ----         | ----              | F       | ----            | ----  | ----                                  | ----                                      | ----                | ----             | Id       |          |
| 947-229-4   | -----do-----                      | -----do-----                               | Albert H. Miller       | 260                                       | 214          | 12                | F       | TC              | 1.2   | 85 T                                  | 43.93                                     | 12- 6-57            | ----             | Id       |          |
| 948-210-1   | SW¼NE¼ sec. 11, T. 8 S., R. 21 E. | B. C. Riley                                | J. W. Coleman          | 116                                       | ----         | 4                 | SA      | TT              | 2   | 156 T                                 | 5.5                                       | 4-19-34             | ----             | N        | Wf, Al-8 |
| 948-223-1   | SW¼NE¼ sec. 11, T. 8 S., R. 19 E. | Mrs. Maxey Chesser                         | C. L. Arter            | 400                                       | ----         | 8                 | F       | ----            | ----  | 116 T                                 | ----                                      | ----                | ----             | Ir       |          |
| 948-229-1   | SW¼NW¼ sec. 11, T. 8 S., R. 18 E. | U.S. Geological Survey                     | U.S. Geological Survey | 13  | 10           | 1½                | W       | TC              | 2.0   | ----                                  | 6.75                                      | 4-20-59             | ----             | O        |          |
| 948-231-1   | NW¼SW¼ sec. 9, T. 8 S., R. 18 E.  | Alachua County Board of Public Instruction | Acme Drilling Co.      | 238                                       | ----         | ----              | F       | ----            | ----  | 92.47 EL                              | ----                                      | ----                | ----             | F        | CF       |
| 948-231-2   | NW¼NE¼ sec. 9, T. 8 S., R. 17 E.  | A. P. Spencer                              | J. Wilhoit             | 129                                       | 109          | 4                 | F       | L               | .0  | 98.71 EL                              | 63.6                                      | 1-20-58             | ----             | S        | CF       |
| 949-208-1   | SW¼NE¼ sec. 6, T. 8 S., R. 22 E.  | O. B. Hicks, Jr.                           | Ernest McGollie        | 67  | 40           | 2                 | SA      | L               | .0  | ----                                  | 12 R                                      | 3- -58              | ----             | D, S, Ir |          |
| 949-211-1   | NE¼NW¼ sec. 3, T. 8 S., R. 21 E.  | Mrs. Annie Ward                            | -----                  | 40  | ----         | 2                 | W       | ----            | ----  | ----                                  | ----                                      | ----                | ----             | D, Ir    |          |
| 949-214-1   | NW¼SE¼ sec. 6, T. 8 S., R. 21 E.  | Mrs. Elizabeth Brown                       | -----                  | 18  | ----         | 30                | W       | L               | .0  | ----                                  | 3.5                                       | 12- 2-59            | ----             | D, S     |          |

| Well number | Location  | Owner                            | Driller                              | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Measuring point |  |   |  | Water level            |          | Temperature (°F) | Use | Remarks     |    |
|-------------|---|----------------------------------|--------------------------------------|---|--------------|----------------------|---------|-----------------|--|---|--|------------------------|----------|------------------|-----|-------------|----|
|             |   |                                  |                                      |   | Depth (feet) | Diameter<br>(inches) |         | Description     | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (f)<br>or<br>below measuring<br>point (feet) | Date of<br>measurement |          |                  |     |             |    |
| 949-219-1   | sec. 5,<br>T. 8 S., R. 20 E.                                    | F. S. Lagassee                   | U.S. Soil<br>Conservation<br>Service | -----   | -----        | -----                | W(?)    | -----           | -----  | -----                                       | -----  | -----                  | -----    | ---              | A   |             |    |
| 949-225-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33,<br>T. 7 S., R. 19 E. | Henry Raatams                    | Penrod Drilling<br>Co.               | 3,219   | 1,673        | 16                   | ---     | ---             | ---  | 157.6                                       | EL   | -----                  | -----    | ---              | OT  | E           |    |
| 949-235-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3,<br>T. 8 S., R. 17 E.  | City of High<br>Springs          | -----                                | 75  | ---          | 6                    | F       | TDC             | -2.0   | 64.70                                       | EL   | 30.47                  | 10-24-57 | ---              | Dr  |             |    |
| 949-235-2   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3,<br>T. 8 S., R. 17 E.  | -----do-----                     | -----                                | 300   | 250          | ---                  | F       | TPB             | 1.0  | -----                                       | ---  | 38.34                  | 6-30-60  | 72               | F   |             |    |
| 949-235-3   | -----do-----  | -----do-----                     | Stevens-Southern<br>Co.              | 243   | 238          | 12                   | F       | TC              | 2.0  | -----                                       | ---  | 37                     | R        | 6-30-60          | 72  | F           | CF |
| 949-236-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34,<br>T. 7 S., R. 17 E. | Atlantic Coast<br>Line Railroad  | -----                                | 250   | 90           | 8                    | F       | TC              | -25  | 43.10                                       | EL   | 9.73                   | 2-14-58  | 74               | RR  | Al-1        |    |
| 949-236-2   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34,<br>T. 7 S., R. 17 E. | Atlantic Ice Co.                 | -----                                | 300   | ---          | 10                   | F       | TC              | 1.0  | 74  | T  | 42.5                   | R        | 7-16-57          | --- | Id          |    |
| 949-239-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6,<br>T. 8 S., R. 17 E.  | U.S. Corps of<br>Engineers       | U.S. Corps of<br>Engineers           | 81  | ---          | ---                  | F       | L               | .0   | 32.7  | EL   | 25.3                   | R        | 6- 2-32          | --- | ---         | A  |
| 950-210-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35,<br>T. 7 S., R. 21 E. | Jack Eddy                        | Sam Jordan                           | 65  | ---          | 2                    | SA      | ---             | ---  | ---   | ---  | ---                    | ---      | ---              | --- | D, Ir       |    |
| 950-213-2   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31,<br>T. 7 S., R. 21 E. | W. H. Eddy                       | -----do-----                         | ---   | ---          | 2                    | W       | ---             | ---  | ---   | ---  | ---                    | ---      | ---              | --- | D, S,<br>Ir |    |
| 950-220-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30,<br>T. 7 S., R. 20 E. | Greater Bell<br>Methodist Church | -----                                | 18  | 15           | 1 $\frac{1}{2}$      | W       | TCo             | 2.0  | -----                                       | ---  | 3.22                   | 2-12-59  | 66               | F   |             |    |
| 950-224-1   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27,<br>T. 7 S., R. 19 E. | R. O. Cillon                     | Gray Well and<br>Pump Co.            | 223   | 204          | 10                   | F       | L               | .0   | 143.46                                      | EL   | 99                     | R        | 3- 8-40          | --- | Id          | CF |
| 950-229-1   | G. Atkinson Land<br>Grant, T. 7 S.,<br>R. 18 E.                 | J. S. Wershow                    | U.S. Soil<br>Conservation<br>Service | -----   | -----        | ---                  | W       | ---             | ---  | -----                                       | -----  | -----                  | -----    | ---              | --- | A           |    |
| 950-235-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34,<br>T. 7 S., R. 17 E. | Mrs. Pearl<br>Garraway           | -----                                | 148   | -----        | 2                    | F       | TC              | .5   | 67.32                                       | EL   | 32.18                  | 1-12-58  | ---              | N   |             |    |

| Well number | Location                             | Owner                         | Driller                | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|--------------------------------------|-------------------------------|------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |                                      |                               |                        |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| 950-236-1   | NE¼SW¼ sec. 34,<br>T. 7 S., R. 17 E. | T. R. Barber                  | J. J. Hare             | 70  | ----         | 4                 | F       | TC              | 0.3   | -----                                 | 39 R                                      | 1954                | ----             | Ir  |         |
| 950-236-2   | -----do-----                         | Newell                        | Acme Drilling Co.      | 85  | 58           | 4                 | F       | TC              | .6  | 67.14 EL                              | 33.55<br>32.10                            | 8- 1-57<br>4- 3-58  | ----             | N   |         |
| 950-236-3   | NE¼SE¼ sec. 29,<br>T. 7 S., R. 17 E. | J. H. Winters                 | J. Sathmas             | 72  | ----         | 2                 | F       | TC              | 1.2   | -----                                 | 26 R                                      | -----               | ----             | D   |         |
| 951-224-1   | NW¼NW¼ sec. 27,<br>T. 7 S., R. 19 E. | U.S. Geological Survey        | U.S. Geological Survey | 18  | 15           | 1½                | W       | TC              | 2.0   | -----                                 | 2.87                                      | 4- 2-59             | 69               | O   |         |
| 951-224-2   | -----do-----                         | Florida Forest Service        | Acme Drilling Co.      | 175                                       | 144          | 4                 | F       | TC              | .13   | 136.68 EL                             | 91.76                                     | 3-11-58             | ----             | D   | CF      |
| 951-225-1   | SE¼SE¼ sec. 20,<br>T. 7 S., R. 20 E. | Lacy Doak                     | Libby and Freeman      | 350                                       | 119          | 10                | F       | L               | .0  | 149.8 EL                              | 100 R                                     | 2- -55              | ----             | Ir  | CF      |
| 951-234-1   | SW¼NW¼ sec. 25,<br>T. 7 S., R. 17 E. | Florida State Road Department | -----do-----           | -----                                     | -----        | 2                 | F       | TC              | -40   | 33.57 EL                              | +23                                       | 2-14-58             | 69.5             | O   | S       |
| 951-235-1   | NE¼SE¼ sec. 27,<br>T. 7 S., R. 17 E. | Seventh-Day Adventist Church  | J. Wilhoit             | 225                                       | 43           | 4                 | F       | TC              | .5  | -----                                 | 14.64                                     | 6-27-57             | 75               | D   |         |
| 951-235-2   | -----do-----                         | -----do-----                  | -----do-----           | 235                                       | 42           | 6                 | F       | TC              | 1.2   | -----                                 | 14.70<br>19.81                            | 6-26-57<br>4- 3-58  | 72               | P   |         |
| 952-232-1   | Land Grant,<br>T. 7 S., R. 18 E.     | B. D. Traxler                 | J. J. Hare             | 171                                       | ----         | 4                 | F       | ---             | -----   | 159.91 EL                             | -----                                     | -----               | ----             | D   |         |
| 953-228-1   | SE¼NW¼ sec. 13,<br>T. 7 S., R. 18 E. | Joe Imley                     | Libby and Freeman      | 230                                       | ----         | 8                 | F       | L               | .0  | 172.75 EL                             | 132 R                                     | 7- -55              | 71.5             | Ir  | CF      |
| 953-228-2   | NE¼SW¼ sec. 11,<br>T. 7 S., R. 18 E. | Santa Fe River Ranch          | Acme Drilling Co.      | -----                                     | -----        | 8                 | F(?)    | TPB             | .5  | -----                                 | 128                                       | 12- 5-57            | ----             | Ir  |         |
| 953-231-1   | SW¼NE¼ sec. 8,<br>T. 7 S., R. 18 E.  | V. T. Olligood                | J. Wilhoit             | 171                                       | 78           | 4                 | F       | TC              | .4  | -----                                 | 126                                       | 12- 5-57            | ----             | D   | CF      |
| 954-227-1   | SE¼SE¼ sec. 1,<br>T. 7 S., R. 18 E.  | J. L. Dupree                  | Acme Drilling Co.      | 165                                       | ----         | 4                 | F       | L               | .0  | 154.98 EL                             | 120 R                                     | -----               | ----             | Id  | CF      |



| Well number | Location   | Owner                | Driller           | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |  |
|-------------|--|----------------------|-------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|--|
|             |  |                      |                   |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |  |
| 954-228-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 7 S., R. 18 E.  | Santa Fe River Ranch | Acme Drilling Co. | 156                                       | -----        | 4                 | F       | ---             | -----   | -----                                 | 112 R                                     | -----               | ---              | D   |         |  |
| 954-230-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 7 S., R. 18 E.  | Shelton Swilley      | -----do-----      | 162                                       | -----        | 4                 | F       | TC              | .5  | 151.6                                 | E1  | 121.0               | 12- 5-57         | --- | D       |  |
| 955-228-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 6 S., R. 18 E. | Santa Fe River Ranch | Acme Drilling Co. | 110                                       | -----        | 4                 | F       | ---             | -----   | -----                                 | 60 R                                      | -----               | ---              | S   |         |  |
| 955-228-2   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 6 S., R. 18 E. | -----do-----         | -----do-----      | 156                                       | -----        | 4                 | F       | ---             | -----   | -----                                 | 112 R                                     | -----               | 72               | Ir  |         |  |
| 955-228-3   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 6 S., R. 18 E. | -----do-----         | -----do-----      | 166                                       | -----        | 4                 | F       | ---             | -----   | -----                                 | 110 R                                     | 1955                | ---              | D   |         |  |
| 955-228-4   | -----do-----   | -----do-----         | -----do-----      | 145                                       | -----        | 4                 | F       | ---             | -----   | -----                                 | 108 R                                     | -----               | ---              | D   |         |  |

Bradford County

|           |  |                              |                                |     |       |                 |    |    |      |        |       |         |         |       |   |    |
|-----------|--|------------------------------|--------------------------------|-----|-------|-----------------|----|----|------|--------|-------|---------|---------|-------|---|----|
| 944-203-1 | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 9 S., R. 22 E.  | B. M. Barnhill               | H. L. Owbey                    | 160 | 134   | 2               | F  | L  | 0.0  | -----  | 62 R  | 3- -55  | ---     | D, Ir |   |    |
| 945-203-1 | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 8 S., R. 22 E. | U.S. Geological Survey       | U.S. Soil Conservation Service | 22  | 20    | 1 $\frac{1}{2}$ | W  | TC | 3.0  | 128.48 | EL    | 12.70   | 6-25-58 | ---   | O | CF |
| 945-203-2 | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 8 S., R. 22 E. | -----do-----                 | -----do-----                   | 27  | 25    | 1 $\frac{1}{2}$ | W  | TC | 1.0  | 143.63 | EL    | 16.50   | 6-25-58 | ---   | O | CF |
| 945-203-3 | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 8 S., R. 22 E. | -----do-----                 | -----do-----                   | 52  | 50    | 1 $\frac{1}{2}$ | W  | TC | 1.80 | 155.42 | EL    | 25.46   | 6-27-58 | ---   | O | CF |
| 945-203-4 | -----do-----   | -----do-----                 | -----do-----                   | 32  | 30    | 1 $\frac{1}{2}$ | W  | TC | .0   | 153.55 | EL    | 23.49   | 6-23-58 | ---   | O | CF |
| 945-203-5 | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 8 S., R. 22 E. | Covenant Presbyterian Church | H. L. Owbey                    | 186 | 141   | 2               | F  | L  | .0   | -----  | 62.07 | 3-30-60 | ---     | P     |   |    |
| 945-204-1 | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 8 S., R. 22 E. | Hickey Gaunt                 | R. Mathews                     | 83  | ----- | 2               | SA | TC | .64  | -----  | 12.19 | 8- 5-59 | ---     | N     |   |    |

| Well number | Location                             | Owner                    | Driller                   | Depth of well.<br>in feet below<br>land surface | Casing       |                      | Aquifer | Description | Measuring point  |   | Water level                                     |                        | Temperature (°F) | Use   | Remarks |
|-------------|--------------------------------------|--------------------------|---------------------------|---|--------------|----------------------|---------|-------------|--|---|---|------------------------|------------------|-------|---------|
|             |                                      |                          |                           |   | Depth (feet) | Diameter<br>(Inches) |         |             | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (+) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |       |         |
|             |                                      |                          |                           |   |              |                      |         |             |  |   |   |                        |                  |       |         |
| 945-204-2   | NW¼NE¼ sec. 35,<br>T. 8 S., R. 22 E. | L. L. Thompson           | -----                     | 23  | -----        | 1 1/2                | W       | TC          | 1.90   | -----                                       | 10.98   | 10-27-59               | ----             | N     |         |
| 945-204-3   | NE¼NW¼ sec. 35,<br>T. 8 S., R. 22 E. | Jack Miller              | Jack Miller               | 30  | -----        | 2                    | W       | TC          | 1.80   | -----                                       | 2.44  | 10-26-59               | ----             | N     |         |
| 945-204-4   | NE¼NE¼ sec. 34,<br>T. 8 S., R. 22 E. | -----                    | -----                     | 85  | 52           | 2                    | SA      | TC          | .4   | -----                                       | 19.61<br>19.43                                  | 10-26-59<br>10-27-59   | ----             | N     |         |
| 945-204-5   | SE¼SE¼ sec. 27,<br>T. 8 S., R. 22 E. | C. D. Glover             | Dan Eubanks               | 98  | 64           | 2                    | SA      | TC          | .3   | 147 T                                       | 20 R  | 10-29-59               | ----             | D, Ir |         |
| 945-205-2   | NW¼NE¼ sec. 34,<br>T. 8 S., R. 22 E. | Leo Hill                 | H. L. Ownbey              | 154   | 147          | 2                    | F       | L           | .0   | 144 T                                       | 59 R  | 7-31-59                | ----             | D, Ir |         |
| 945-205-3   | SW¼SE¼ sec. 27,<br>T. 8 S., R. 22 E. | Loren O. Martin          | -----do-----              | 84  | -----        | 2                    | SA      | L           | .0   | -----                                       | 12 R  | 5-22-53                | ----             | D, Ir |         |
| 945-205-4   | -----do-----                         | -----                    | -----                     | 6   | -----        | 2                    | T       | TC          | .8   | -----                                       | 5.90  | 10-26-59               | ----             | N     |         |
| 945-205-5   | NW¼NE¼ sec. 34,<br>T. 8 S., R. 22 E. | -----                    | -----                     | 26  | 26           | 2                    | W       | TC          | 1.80   | 145 T                                       | 13.9  | 10-29-59               | ----             | N     | WP      |
| 946-202-5   | NE¼NE¼ sec. 25,<br>T. 8 S., R. 22 E. | Dr. D.<br>Christoffers   | H. L. Ownbey              | 46  | 42           | 2                    | W       | L           | .0   | 115 T                                       | 16 R  | 6-11-56                | ----             | D, Ir |         |
| 946-202-6   | NE¼SE¼ sec. 24,<br>T. 8 S., R. 22 E. | Keystone Club<br>Estates | Gray Well and<br>Pump Co. | 400   | 250          | 10                   | F       | TC          | 1.2  | 157.91 EL                                   | 69.41   | 7-27-59                | ----             | F     |         |
| 946-202-7   | SE¼NE¼ sec. 25,<br>T. 8 S., R. 22 E. | Key Sargent              | -----do-----              | 160   | 154          | 2                    | F       | L           | .0   | 115 T                                       | 30 R  | 7- 3-57                | ----             | D, Ir |         |
| 946-204-1   | SE¼SE¼ sec. 22,<br>T. 8 S., R. 22 E. | W. H. Rees               | Roy Jordan                | 94  | 84           | 2                    | SA      | TC          | 1.5  | -----                                       | 24 R  | 10-29-59               | ----             | D, Ir |         |
| 947-202-4   | SE¼SE¼ sec. 13,<br>T. 8 S., R. 22 E. | -----                    | -----                     | 71  | -----        | 2                    | SA      | TT          | .8   | 145 T                                       | 54.31   | 10-27-58               | ----             | N     |         |
| 947-202-7   | -----do-----                         | -----                    | -----                     | 31  | -----        | 2                    | W       | TC          | .7   | 153 A                                       | 29.65   | 10-23-59               | ----             | N     |         |

| Well number | Location  | Owner                     | Driller                              | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Description | Measuring point  |   | Water level                                     |                        | Temperature (°F) | Use         | Remarks |
|-------------|---|---------------------------|--------------------------------------|---|--------------|----------------------|---------|-------------|--|---|---|------------------------|------------------|-------------|---------|
|             |   |                           |                                      |   | Depth (feet) | Diameter<br>(inches) |         |             | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (+) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |             |         |
| 947-203-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13,<br>T. 8 S., R. 22 E. | T. E. Garner              | H. L. Ownbey                         | 186   | 161          | 2                    | F       | L           | 0.0  | 150 T                                       | 74 R  | 8-27-58                | ----             | D, Ir       |         |
| 947-203-2   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13,<br>T. 8 S., R. 22 E. | Robert Dodd               | Robert Dodd                          | 25  | -----        | 4                    | W       | TC          | 3.4  | 125 T                                       | 11.44   | 10-27-59               | ----             | N           |         |
| 947-203-3   | -----do-----  | Dr. Bollinger             | -----                                | 29  | -----        | 1 $\frac{1}{2}$      | W       | TC          | .8   | 125 T                                       | 14.45   | 10-27-59               | ----             | N           |         |
| 947-203-4   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13,<br>T. 8 S., R. 22 E. | J. A. Walker              | -----                                | 21  | -----        | 2                    | W       | TC          | 6.0  | -----                                       | 22.03   | 10-28-59               | ----             | N           |         |
| 948-203-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13,<br>T. 8 S., R. 22 E. | U.S. Geological<br>Survey | U.S. Soil<br>Conservation<br>Service | 40  | 38           | 1 $\frac{1}{2}$      | W       | TC          | 1.6  | 131 T                                       | 28.7  | 4- 7-59                | ----             | O           | CF      |
| 948-203-2   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13,<br>T. 8 S., R. 23 E. | T. M. Huffman             | H. L. Ownbey                         | 173   | 167          | 2                    | F       | L           | .0   | 119 T                                       | 37 R  | 5-31-56                | ----             | D, Ir       |         |
| 948-203-3   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13,<br>T. 8 S., R. 22 E. | Johnny Cohagen            | -----                                | 28  | -----        | 1 $\frac{1}{2}$      | W       | TC          | 1.8  | 135 T                                       | 24.08   | 10-28-59               | ----             | N           |         |
| 948-203-4   | -----do-----  | William Lewis             | H. L. Ownbey                         | 126   | 106          | 2                    | SA      | L           | .0   | -----                                       | 40 R  | 3- -59                 | ----             | D           |         |
| 948-203-5   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12,<br>T. 8 S., R. 22 E. | Salvation Army            | -----                                | 57  | 57           | 2                    | W       | TF          | .8   | 130 T                                       | 19.55   | 11- 4-59               | ----             | N           |         |
| 948-203-6   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12,<br>T. 8 S., R. 22 E. | Alfred Underwood          | -----                                | 14  | -----        | 2                    | W       | TR          | .8   | 145 T                                       | 7.45  | 11- 4-59               | ----             | N           |         |
| 948-203-7   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13,<br>T. 8 S., R. 22 E. | Robert Dodd               | Robert Dodd                          | 52  | -----        | 3                    | W       | TC          | 7.9  | 135 T                                       | 26.14   | 10-27-59               | ----             | N           |         |
| 949-203-1   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12,<br>T. 8 S., R. 22 E. | Irvin Triest              | H. L. Ownbey                         | 174   | 152          | 2                    | SA      | L           | .0   | -----                                       | 83 R  | -----                  | ----             | D, Ir       |         |
| 949-204-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2,<br>T. 8 S., R. 22 E.  | Clyde Hersey              | Sam Jordan                           | 128   | 100          | 2                    | SA      | L           | .0   | -----                                       | 76 R  | 8- -55                 | ----             | D,<br>Ir, S |         |
| 950-203-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35,<br>T. 7 S., R. 22 E. | U.S. Geological<br>Survey | U.S. Soil<br>Conservation<br>Service | 28  | 26           | 1 $\frac{1}{2}$      | W       | TC          | 1.8  | 173 T                                       | 5.80  | 4- 6-59                | ----             | O           | CF      |
| 950-203-2   | -----do-----  | D. L. Raley               | D. L. Raley                          | 18  | -----        | 1 $\frac{1}{2}$      | W       | L           | .0   | -----                                       | 10 R  | 12-24-59               | ----             | D, Ir       |         |

| Well number | Location  | Owner   | Driller                              | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Description | Measuring point  |   | Water level                                     |                        | Temperature (°F) | Use         | Remarks |
|-------------|---|---|--------------------------------------|---|--------------|----------------------|---------|-------------|--|---|---|------------------------|------------------|-------------|---------|
|             |   |   |                                      |   | Depth (feet) | Diameter<br>(inches) |         |             | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (+) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |             |         |
|             |   |   |                                      |   |              |                      |         |             |  |   |   |                        |                  |             |         |
| 950-204-1   | SW <sup>1</sup> SE <sup>1</sup> sec. 35,<br>T. 7 S., R. 22 E. | J. A. Gnann                                     | Sam Jordan                           | 74  | 54           | 2                    | SA      | L           | 0.0  | 160 T                                       | 21 R  | -----                  | ----             | D, Ir       |         |
| 950-213-1   | NW <sup>1</sup> NE <sup>1</sup> sec. 32,<br>T. 7 S., R. 21 E. | U.S. Geological<br>Survey                       | Albert H. Miller                     | 207   | 172          | 4                    | F       | TP          | 2.00   | 142 A                                       | 70.15   | 7- 7-59                | ----             | O           | CF, E   |
| 951-204-1   | SW <sup>1</sup> NW <sup>1</sup> sec. 28,<br>T. 7 S., R. 22 E. | R. O. Simons                                    | -----                                | 64  | -----        | 2                    | SA      | TP          | 1.0  | 160 T                                       | 40 R  | 3- -59                 | ----             | D           |         |
| 951-206-2   | NW <sup>1</sup> SE <sup>1</sup> sec. 28,<br>T. 7 S., R. 22 E. | A. H. Perry                                     | J. McQuary                           | 70  | 40           | 2                    | SA      | TC          | 1.0  | 160 T                                       | 18 R  | 1954                   | ----             | D           |         |
| 951-208-1   | NW <sup>1</sup> NE <sup>1</sup> sec. 30,<br>T. 7 S., R. 22 E. | Georgia Southern<br>and Florida<br>Railroad Co. | W. R. McGraw                         | 228   | 105          | 6                    | F       | TC          | .5   | 145 T                                       | 69.32   | 5-19-59                | ----             | N           | CF      |
| 951-209-1   | SE <sup>1</sup> NW <sup>1</sup> sec. 25,<br>T. 7 S., R. 21 E. | J. J. Brannen                                   | Sam Jordan                           | 70  | 50           | 2                    | SA      | L           | .0   | -----                                       | 18 R  | 1956                   | ----             | D, Ir,<br>S |         |
| 951-209-2   | -----do-----  | -----do-----                                    | J. J. Brannen                        | 25  | -----        | 1                    | W       | TV          | 1.6  | -----                                       | 8.56  | 12- 1-59               | ----             | N           |         |
| 951-213-1   | NW <sup>1</sup> NE <sup>1</sup> sec. 29,<br>T. 7 S., R. 21 E. | G. W. Rivers                                    | Chancey                              | 11  | -----        | 2                    | W       | TC          | 1.8  | -----                                       | 5.42  | 11-27-59               | ----             | N           |         |
| 951-214-1   | NW <sup>1</sup> NE <sup>1</sup> sec. 30,<br>T. 7 S., R. 21 E. | U.S. Geological<br>Survey                       | U.S. Soil<br>Conservation<br>Service | 27  | 23           | 1 $\frac{1}{2}$      | W       | TC          | 1.6  | -----                                       | 5.70  | 4- 7-59                | ----             | O           | CF      |
| 951-214-2   | NE <sup>1</sup> NW <sup>1</sup> sec. 30,<br>T. 7 S., R. 21 E. | F. B. Davis                                     | F. B. Davis                          | 55  | 55           | 2                    | SA      | TC          | 5.75   | -----                                       | 10.56   | 11-27-59               | ----             | N           |         |
| 952-204-1   | SE <sup>1</sup> SE <sup>1</sup> sec. 15,<br>T. 7 S., R. 22 E. | U.S. Geological<br>Survey                       | Albert H. Miller                     | 284   | 234          | 4                    | F       | TP          | 2.68   | 177 A                                       | 86.26   | 11-12-59               | ----             | O           | CF      |
| 952-206-1   | SW <sup>1</sup> SE <sup>1</sup> sec. 16,<br>T. 7 S., R. 22 E. | Laverence Meng                                  | -----                                | 90  | -----        | 2                    | SA      | L           | .0   | -----                                       | 15 R  | -----                  | ----             | N           |         |
| 952-209-1   | SE <sup>1</sup> NE <sup>1</sup> sec. 24,<br>T. 7 S., R. 21 E. | B. T. Thomas<br>Lumber Co.                      | Acme Drilling<br>Co.                 | 89  | -----        | 6                    | SA      | L           | .0   | -----                                       | 12 R  | -----                  | ----             | Id          |         |
| 952-209-2   | NE <sup>1</sup> NE <sup>1</sup> sec. 24,<br>T. 7 S., R. 21 E. | L. H. Outlaw                                    | J. Magaryl                           | 93  | -----        | 2                    | SA      | L           | .0   | -----                                       | 17 R  | 1953                   | ----             | D, Ir       |         |

| Well number | Location                              | Owner                       | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       |   | Water level         |      | Temperature (°F) | Use | Remarks |
|-------------|---------------------------------------|-----------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------|------------------|-----|---------|
|             |                                       |                             |                                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |      |                  |     |         |
| 952-210-1   | SE1/4NW1/4 sec. 23, T. 7 S., R. 21 E. | E. Meyer                    | -----                          | 13  | -----        | 36                | W       | TCb         | 2.7   | -----                                 | 7.78                                      | 11-30-59            | ---- | N                |     |         |
| 952-210-2   | SW1/4NE1/4 sec. 23, T. 7 S., R. 21 E. | F. K. Bowers                | -----                          | 66  | -----        | 1 1/2             | SA      | TC          | 1.00  | -----                                 | 22.97                                     | 11-30-59            | ---- | N                |     |         |
| 952-212-1   | NW1/4SE1/4 sec. 21, T. 7 S., R. 21 E. | A. E. Broughton             | Dyal                           | 64  | 48           | 2                 | SA      | L           | .0  | -----                                 | 18 R                                      | 1951                | ---- | D                |     |         |
| 952-212-2   | NE1/4NW1/4 sec. 21, T. 7 S., R. 21 E. | J. A. J. McKinney           | J. A. J. McKinney              | 48  | -----        | 1 1/2             | W       | TC          | 1.9   | -----                                 | 6 R                                       | -----               | ---- | D, I, S          |     |         |
| 953-204-1   | NW1/4SW1/4 sec. 11, T. 7 S., R. 22 E. | Eugene Griffis              | A. Magaryi                     | 85  | 63           | 2                 | SA      | L           | .0  | -----                                 | 29 R                                      | -----               | ---- | D, IR, S         |     |         |
| 953-205-1   | SE1/4NE1/4 sec. 15, T. 7 S., R. 22 E. | U.S. Geological Survey      | U.S. Soil Conservation Service | 20  | 18           | 1 1/2             | W       | TC          | 1.8   | 175 T                                 | 11.13                                     | 4- 7-59             | ---- | O                | CF  |         |
| 953-208-1   | SE1/4SW1/4 sec. 7, T. 7 S., R. 22 E.  | Barry's Restaurant          | J. Magaryi                     | 95  | 60           | 2                 | SA      | L           | .0  | -----                                 | 10 R                                      | 1950                | ---- | D, P             |     |         |
| 953-208-2   | NE1/4NW1/4 sec. 18, T. 7 S., R. 22 E. | Rayonier Inc.               | V. Forsythe                    | 90  | -----        | 2                 | SA      | TCo         | .0  | -----                                 | 8.85                                      | 12- 3-59            | ---- | N                |     |         |
| 953-210-1   | NW1/4NE1/4 sec. 14, T. 7 S., R. 21 E. | U.S. Geological Survey      | U.S. Soil Conservation Service | 25  | 23           | 1 1/2             | W       | TC          | 1.6   | 149 T                                 | 2.93                                      | 4- 7-59             | ---- | O                | CF  |         |
| 953-220-1   | SE1/4SW1/4 sec. 8, T. 7 S., R. 20 E.  | State Agri. Marketing Board | Belmany                        | 486                                       | 120          | 8                 | F       | TPB         | 1.0   | 124 A                                 | 51.32                                     | 5-20-59             | 72   | Id               |     |         |
| 953-220-2   | -----do-----                          | -----do-----                | Acme Drilling Co.              | 200                                       | 99           | 4                 | F       | L           | .0  | 124 T                                 | 52 R                                      | 1952                | ---- | ---              | CF  |         |
| 954-204-1   | SW1/4SW1/4 sec. 2, T. 7 S., R. 22 E.  | Luther Griffis              | A. Magaryi                     | 58  | 68           | 2                 | SA      | TC          | .25   | -----                                 | 28.75                                     | 12-23-59            | ---- | N                |     |         |
| 954-205-1   | SW1/4NW1/4 sec. 3, T. 7 S., R. 22 E.  | W. E. Lawson                | Sam Jordan                     | 70  | 70           | 2                 | SA      | L           | .0  | -----                                 | 29 R                                      | 1952                | ---- | D, I, R          |     |         |
| 954-208-1   | NW1/4NE1/4 sec. 7, T. 7 S., R. 22 E.  | Crescent Hotel Court        | J. Magaryi                     | 80  | -----        | 2                 | SA      | L           | .0  | -----                                 | 12 R                                      | -----               | ---- | D, I, R          |     |         |

| Well number | Location                          | Owner                         | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|-----------------------------------|-------------------------------|--------------------------------|---|--------------|-------------------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |                                   |                               |                                |   | Depth (feet) | Diameter (inches) |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
| 954-209-1   | SE¼NW¼ sec. 12, T. 7 S., R. 21 E. | Henry Tomlinson               | V. Griffis                     | 60  | -----        | 1½                | W L         | 0.0   | -----                                 | 12 R                                      | 1947                | ----             | D, Ir |         |
| 954-210-1   | NE¼NW¼ sec. 11, T. 7 S., R. 21 E. | J. L. Wynn                    | J. Magaryi                     | 90  | -----        | 2                 | SA L        | .0  | 130 T                                 | 8 R                                       | -----               | ----             | D, Ir | S       |
| 954-212-1   | SE¼NW¼ sec. 4, T. 7 S., R. 21 E.  | E. D. Jones                   | -----                          | 72  | -----        | 1½                | W L         | .0  | -----                                 | 12 R                                      | -----               | ----             | D, Ir | S       |
| 955-204-1   | SW¼SW¼ sec. 35, T. 6 S., R. 22 E. | Inez Gray                     | Floyd Stewart                  | 75  | -----        | 2                 | SA L        | .0  | -----                                 | 30 R                                      | -----               | ----             | D, Ir |         |
| 955-206-1   | SE¼SE¼ sec. 33, T. 6 S., R. 22 E. | R. S. Mullins                 | A. Magaryi                     | 100                                       | 60           | 2                 | SA L        | .0  | -----                                 | 27 R                                      | 1955                | ----             | D, Ir |         |
| 955-206-2   | SE¼NE¼ sec. 32, T. 6 S., R. 22 E. | W. A. Stearns                 | J. Magaryi                     | 70  | 58           | 2                 | SA L        | .0  | -----                                 | 15 R                                      | 10- 58              | ----             | D, Ir |         |
| 955-219-1   | NE¼SW¼ sec. 32, T. 6 S., R. 20 E. | Houston Texas Gas and Oil Co. | Layne-Atlantic Co.             | 175                                       | 117          | 10                | F TC        | .9  | 141 A                                 | 78.91                                     | 3-11-60             | ----             | D, Id |         |
| 956-205-1   | NE¼NW¼ sec. 27, T. 6 S., R. 22 E. | U.S. Geological Survey        | U.S. Soil Conservation Service | 25  | 23           | 1½                | W TC        | 2.8   | 165 T                                 | 16.83                                     | 4- 6-59             | ----             | O     | CF      |
| 956-206-1   | NW¼SE¼ sec. 28, T. 6 S., R. 22 E. | City of Starks                | Gray Well and Pump Co.         | 610                                       | 170          | 10                | F L         | .0  | 166.56 EL                             | 90 R                                      | 2- -42              | ----             | P     | CF      |
| 956-206-2   | -----do-----                      | -----do-----                  | -----do-----                   | 529                                       | 500          | 5                 | F TP        | 3.5   | 170 T                                 | 94.4 R                                    | 11- 7-34            | ----             | N     | B-1     |
| 956-206-3   | -----do-----                      | -----do-----                  | Gray Well and Pump Co.         | 580                                       | 500          | 10                | F TPB       | 3.5   | 166 T                                 | 80 R                                      | 1928                | 72               | N     | B-2     |
| 956-206-4   | -----do-----                      | -----do-----                  | -----do-----                   | 90  | 60           | 2                 | SA L        | .0  | 166 T                                 | 20 R                                      | -----               | 72               | N     | B-3     |
| 956-206-5   | -----do-----                      | -----do-----                  | -----do-----                   | 64  | -----        | 6                 | SA TC       | .0  | 166 T                                 | 28.60                                     | 5- 5-58             | ----             | N     |         |
| 956-206-6   | NW¼NW¼ sec. 28, T. 6 S., R. 22 E. | -----do-----                  | Stevens Southern Co.           | 503                                       | 278          | 10                | F TC        | 1   | 168.77 EL                             | 94.19                                     | 7-28-42             | 73.5             | P     | CF, B-5 |
| 956-206-7   | SW¼NW¼ sec. 28, T. 6 S., R. 22 E. | -----do-----                  | Gray Well and Pump Co.         | 607                                       | 280          | 18                | F TPB       | .7  | 165 T                                 | 94.74                                     | 6-24-60             | ----             | P     |         |

| Well number | Location                          | Owner             | Driller           | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                                   |                     | Temperature (°F) | Use   | Remarks |
|-------------|-----------------------------------|-------------------|-------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |                                   |                   |                   |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below (-) measuring point (feet) | Date of measurement |                  |       |         |
|             |                                   |                   |                   |   |              |                   |         |                 |   |                                       |   |                     |                  |       |         |
| 956-208-1   | NW¼NW¼ sec. 30, T. 6 S., R. 22 E. | -----             | -----             | 17  | -----        | 1½                | W       | TC              | 2.2   | 142 T                                 | 13.67   | 12-12-57            | 74               | Ir    |         |
| 956-208-2   | SE¼NW¼ sec. 31, T. 5 S., R. 22 E. | -----             | V. Griffis        | 86  | -----        | 1½                | SA      | L               | .0  | -----                                 | 1R R  | -----               | -----            | D, Ir |         |
| 956-210-1   | SE¼SE¼ sec. 27, T. 6 S., R. 21 E. | Bradford County   | Libby and Freeman | 350                                       | -----        | 10                | F       | ---             | -----   | -----                                 | -----   | -----               | -----            | Dr    |         |
| 957-203-1   | NE¼NE¼ sec. 23, T. 6 S., R. 22 E. | James Leech       | J. Leech          | 80  | 66           | 2                 | SA      | L               | .0  | -----                                 | 16 R  | -----               | -----            | N     |         |
| 957-204-1   | NW¼SE¼ sec. 23, T. 6 S., R. 22 E. | H. Stearns        | H. Stearns        | 76  | 65           | 2                 | SA      | L               | .0  | -----                                 | 15 R  | -----               | -----            | D, Ir |         |
| 957-206-1   | NW¼NE¼ sec. 21, T. 6 S., R. 22 E. | Harvin Noegel     | J. Magaryi        | 85  | 70           | 2                 | SA      | L               | .0  | -----                                 | 32 R  | 8- -58              | -----            | D, Ir |         |
| 957-207-1   | SE¼SW¼ sec. 20, T. 6 S., R. 22 E. | Austin Smith      | -----             | 20  | -----        | 1½                | W       | L               | .0  | -----                                 | 5 R   | 1958                | -----            | D, Ir |         |
| 957-207-2   | NE¼SE¼ sec. 20, T. 6 S., R. 22 E. | Inman Green       | -----             | 60  | 44           | ---               | SA      | L               | .0  | -----                                 | 34 R  | 1952                | -----            | D, Ir |         |
| 957-209-1   | SW¼SE¼ sec. 24, T. 6 S., R. 21 E. | B. J. Starling    | B. J. Starling    | 17  | -----        | 1½                | W       | L               | .0  | -----                                 | .7 R  | -----               | -----            | D     |         |
| 957-212-1   | SE¼NW¼ sec. 21, T. 6 S., R. 21 E. | Clifford Browning | J. Magaryi        | 51  | -----        | 2                 | W       | ---             | -----   | -----                                 | -----   | -----               | -----            | D, S  |         |
| 957-216-1   | SE¼NW¼ sec. 23, T. 6 S., R. 20 E. | Mirler Kelly      | Turnipseed        | 42  | -----        | 1½                | W       | L               | .0  | -----                                 | 10 R  | -----               | -----            | D, Ir |         |
| 958-207-1   | NE¼NE¼ sec. 20, T. 6 S., R. 22 E. | Mrs. E. L. Cox    | -----             | 75  | -----        | 2                 | SA      | L               | .0  | -----                                 | 30 R  | 1- -48              | -----            | D, Ir |         |
| 958-209-1   | NW¼NW¼ sec. 13, T. 6 S., R. 21 E. | A. C. Ellis       | A. Magaryi        | 31  | 36           | 2                 | W       | TCo             | 1.05  | 150 T                                 | 9.46  | 12-16-59            | -----            | Ir    | Wf      |
| 958-209-2   | SW¼NW¼ sec. 13, T. 6 S., R. 21 E. | -----do-----      | Roy Jordan        | 40  | 35           | 4                 | W       | TC              | 1.05  | 150 T                                 | 6.66  | 12-16-59            | -----            | Ir    |         |

| Well number | Location  | Owner                     | Driller                   | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer         | Measuring point |  |   | Water level  |                        | Temperature (°F) | Use         | Remarks     |  |
|-------------|---|---------------------------|---------------------------|---|--------------|----------------------|-----------------|-----------------|--|---|--|------------------------|------------------|-------------|-------------|--|
|             |   |                           |                           |   | Depth (feet) | Diameter<br>(inches) |                 | Description     | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (+) or<br>below (-)<br>measuring<br>point (feet) | Date of<br>measurement |                  |             |             |  |
|             |   |                           |                           |   |              |                      |                 |                 |  |   |  |                        |                  |             |             |  |
| 958-210-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14,<br>T. 6 S., R. 21 E. | Leo Richardson            | J. Magaryi                | 69  | 64           | 2                    | SA              | L               | 0.0  | -----                                       | 4 R  | 8- -58                 | ----             | D, Ir       |             |  |
| 958-210-2   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14,<br>T. 6 S., R. 21 E. | W. C. Conner              | W. C. Conner              | 20  | ----         | ---                  | W               | L               | .0   | -----                                       | 4 R  | -----                  | ----             | D, Ir,<br>S |             |  |
| 958-211-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18,<br>T. 6 S., R. 21 E. | Florida Forest<br>Service | J. Wilhoit                | 200   | 140          | 4                    | F               | L               | .0   | 154 T                                       | 9.04   | 10-28-58               | ----             | D, Ir       |             |  |
| 958-213-2   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17,<br>T. 6 S., R. 21 E. | U.S. Geological<br>Survey | U.S. Geological<br>Survey | 18  | 15           | 1 $\frac{1}{2}$      | W               | TC              | 2.0  | -----                                       | 4.48   | 4- 2-59                | 70               | O           |             |  |
| 958-215-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12,<br>T. 6 S., R. 20 E. | Mrs. Marlie<br>Cruse      | -----                     | 50  | ----         | ---                  | 1 $\frac{1}{2}$ | W               | L  | .0  | -----  | 15 R                   | -----            | ----        | D, Ir,<br>S |  |
| 958-217-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15,<br>T. 6 S., R. 20 E. | M. R. Wiggins             | Fenrod Drilling<br>Co.    | 3,167   | 3,167        | 16                   | ---             | ---             | -----  | -----                                       | -----  | -----                  | ----             | OT          | CF, De, E   |  |
| 959-203-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12,<br>T. 6 S., R. 22 E. | Mark L. Starling          | M. L. Starling            | 115   | 85           | 2                    | SA              | L               | .0   | -----                                       | 28 R   | 1954                   | ----             | D, Ir,<br>S |             |  |
| 959-205-1   | SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10,<br>T. 6 S., R. 22 E. | A. Toth                   | -----                     | 55  | ----         | ---                  | 1 $\frac{1}{2}$ | W               | TC   | .4  | -----  | 13.5                   | 1- 6-60          | ----        | D, Ir,<br>S |  |
| 959-206-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4,<br>T. 6 S., R. 22 E.  | O. L. Brown               | O. L. Brown               | 58  | 50           | 1 $\frac{1}{2}$      | W               | L               | .0   | -----                                       | 9 R  | -----                  | ----             | D, Ir       |             |  |
| 959-207-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8,<br>T. 6 S., R. 22 E.  | Lonnie Crawford,<br>Jr.   | -----                     | 65  | ----         | ---                  | 2               | SA              | L  | .0  | -----  | 10 R                   | -----            | ----        | D, Ir       |  |
| 959-209-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12,<br>T. 6 W., R. 21 E. | J. W. Brownies            | -----                     | 94  | ----         | ---                  | 4               | SA              | L  | .0  | -----  | 12 R                   | -----            | ----        | D, Ir,<br>S |  |
| 959-211-1   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10,<br>T. 6 S., R. 21 E. | W. C. Ward                | W. C. Ward                | 25  | ----         | ---                  | 1 $\frac{1}{2}$ | W               | L  | .0  | -----  | 6 R                    | -----            | ----        | D, Ir,<br>S |  |
| 959-211-2   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3,<br>T. 6 S., R. 21 E.  | R. D. Reddish             | R. D. Reddish             | 26  | ----         | ---                  | 2               | W               | L  | .0  | -----  | 4 R                    | -----            | ----        | D, Ir,<br>S |  |
| 959-215-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12,<br>T. 6 S., R. 20 E. | Fronie Moody              | -----                     | 80  | ----         | ---                  | 1 $\frac{1}{2}$ | SA              | L  | .0  | -----  | 10 R                   | -----            | ----        | D, Ir       |  |



| Well number | Location   | Owner                  | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                                   |                     | Temperature (°F) | Use   | Remarks  |
|-------------|--|------------------------|--------------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-------|----------|
|             |  |                        |                                |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below (-) measuring point (feet) | Date of measurement |                  |       |          |
| 959-216-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 6 S., R. 20 E.  | Mrs. M. H. Moody       | -----                          | 130                                       | ----         | 2                 | SA      | L               | 0.0   | -----                                 | 40 R  | -----               | ----             | D, Ir |          |
| 959-216-2   | -----do-----   | -----do-----           | -----                          | 12  | ----         | 30                | W       | Tcb             | 2.45  | -----                                 | 5.70  | 12-21-59            | ----             | N     |          |
| 959-216-3   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 6 S., R. 20 E.  | Harold Shiver          | Taylor                         | 127                                       | ----         | ---               | SA      | L               | .0  | -----                                 | 4 R   | 1957                | ----             | D, Ir |          |
| 000-210-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 6 S., R. 21 E.  | U.S. Geological Survey | U.S. Soil Conservation Service | 30  | 28           | 1 $\frac{1}{2}$   | W       | TC              | 2.0   | 132 T                                 | 4.28  | 4- 6-59             | ----             | O     | CF       |
| 000-210-2   | -----do-----   | -----do-----           | Albert H. Miller               | 294                                       | 247          | 4                 | F       | TC              | 1.0   | 139 A                                 | 70.35   | 6-17-59             | 73               | O     | CF, E, G |
| 001-215-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36 T. 5 S., R. 20 E.  | E. B. Johns            | -----                          | 75  | ----         | 2                 | SA      | L               | .0  | -----                                 | 12 R  | 2- -60              | ----             | D, Ir |          |
| 002-203-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24 T. 5 S., R. 22 E.  | E. I. du Pont and Co.  | Stevens Southern Co.           | 725                                       | 330          | 16                | F       | L               | .0  | 200 T                                 | 130 R   | 4-12-59             | 70               | Id    | CF       |
| 003-203-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 5 S., R. 22 E. | -----do-----           | -----do-----                   | 774                                       | 442          | 16                | F       | TC              | 1.0   | 195 EL                                | 126.51  | 6-28-60             | 70               | Id    |          |
| 003-211-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 5 S., R. 21 E. | Florida State Prison   | Smith and Gillespie Co.        | 700                                       | 275          | 12                | F       | TC              | 1.6   | 128.78 EL                             | 62.19   | 5-19-59             | ----             | F     |          |
| 004-204-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 5 S., R. 22 E. | J. S. Eunice           | -----                          | 102                                       | 95           | 2                 | SA      | TC              | 1.5   | -----                                 | 6 R   | 1952                | ----             | D     |          |
| 004-204-2   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 5 S., R. 22 E. | Mrs. Selma Eunice      | -----                          | 100                                       | 92           | 2                 | SA      | TC              | 1.0   | -----                                 | 7 R   | 1941                | ----             | D     |          |
| 004-205-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 5 S., R. 22 E. | R. K. Wheeler          | N. Hamilton                    | 85  | 71           | 1 $\frac{1}{2}$   | SA      | TC              | 1.0   | -----                                 | 4 R   | 1940                | ----             | D     |          |
| 004-205-2   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 5 S., R. 22 E. | D. A. Griffin          | Fred Long                      | 104                                       | 104          | 1 $\frac{1}{2}$   | SA      | TC              | 1.0   | -----                                 | 5 R   | 1946                | ----             | D     |          |
| 005-203-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 5 S., R. 22 E.  | E. Prescott            | Stokes                         | 111                                       | 105          | 2                 | SA      | TC              | 1.0   | 165 T                                 | 11.97   | 2-16-60             | ----             | D     |          |

| Well number | Location                          | Owner                  | Driller | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|-----------------------------------|------------------------|---------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |                                   |                        |         |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| 005-203-2   | NW¼NE¼ sec. 1, T. 5 S., R. 22 E.  | Deveret Griffis        | Stokes  | 129                                       | -----        | 2                 | SA TC   | 1.0             | 185 T   | 40.64                                 | 2-16-60                                   | ----                | D                |     |         |
| 006-203-1   | SE¼NE¼ sec. 16, T. 4 S., R. 22 E. | Florida Forest Service | Burnett | 189                                       | 155          | 2                 | SA TC   | .0              | 210 T   | 55 R                                  | 1954                                      | ----                | D                |     |         |
| 007-203-1   | SW¼NE¼ sec. 25, T. 4 S., R. 22 E. | St. Mary's Craft Corp. | -----   | 140                                       | 98           | 2                 | SA TC   | .5              | 185 T   | 40 R                                  | 2- -59                                    | ----                | D                |     |         |

## Clay County

|           |                                   |                        |                                |     |       |    |        |       |           |                |                    |      |     |          |
|-----------|-----------------------------------|------------------------|--------------------------------|-----|-------|----|--------|-------|-----------|----------------|--------------------|------|-----|----------|
| 943-202-1 | SW¼SW¼ sec. 7, T. 9 S., R. 23 E.  | U.S. Geological Survey | U.S. Soil Conservation Service | 20  | 17    | 1½ | W TC   | 2.0   | 174 T     | 7.86           | 4- 6-59            | ---- | O   | CF       |
| 943-202-2 | SE¼SE¼ sec. 7, T. 9 S., R. 23 E.  | -----do-----           | Central Florida Well Drillers  | 159 | 124   | 4  | F ---- | ----- | -----     | -----          | -----              | ---- | --- | De, CF   |
| 943-202-3 | -----do-----                      | -----do-----           | -----do-----                   | 259 | 204   | 4  | F TP   | 2.8   | 180 A     | 88.76<br>89.36 | 5-11-60<br>6-27-60 | ---- | O   | CF, E, G |
| 944-159-1 | SE¼SE¼ sec. 33, T. 8 S., R. 23 E. | -----do-----           | U.S. Soil Conservation Service | 30  | 28    | 1½ | W TC   | 1.6   | 118 T     | 19.98<br>19.79 | 4- 6-59<br>6-26-59 | ---- | O   | CF       |
| 944-159-2 | SE¼SW¼ sec. 34, T. 8 S., R. 23 E. | George Clemens         | Ernest McGollie                | 165 | 90    | 4  | F TC   | .0    | 110 T     | 15 R           | 5- -59             | ---- | Ir  |          |
| 944-159-3 | -----do-----                      | -----do-----           | -----do-----                   | 134 | 103   | 2  | F ---- | ----- | 110 T     | -----          | -----              | ---- | --- | Ir       |
| 944-159-4 | SW¼SW¼ sec. 34, T. 8 S., R. 23 E. | W. B. Stanley          | W. B. Stanley                  | 115 | 90    | 2  | SA TC  | 1.0   | -----     | 35 R           | 6- -57             | ---- | D   |          |
| 944-159-5 | NE¼NW¼ sec. 3, T. 9 S., R. 23 E.  | J. A. Goodson          | Sam Jordan                     | 97  | ----- | 2  | SA TC  | .0    | -----     | 30 R           | 3- -55             | ---- | D   |          |
| 945-200-1 | SE¼NW¼ sec. 33, T. 8 S., R. 23 E. | E. D. Hayner           | D. Eubanks                     | 95  | 85    | 2  | SA TC  | .0    | 130.84 EL | 28.73          | 8-26-59            | ---- | S   |          |

| Well number | Location  | Owner                     | Driller                              | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Measuring point |  |   | Water level                                     |                        | Temperature (°F) | Use      | Remarks |
|-------------|---|---------------------------|--------------------------------------|---|--------------|----------------------|---------|-----------------|--|---|---|------------------------|------------------|----------|---------|
|             |   |                           |                                      |   | Depth (feet) | Diameter<br>(inches) |         | Description     | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (+) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |          |         |
|             |   |                           |                                      |   |              |                      |         |                 |  |   |   |                        |                  |          |         |
| 945-200-2   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33,<br>T. 8 S., R. 23 E. | Bisbee                    | R. Mathews                           | 98  | 86           | 2                    | SA TC   | 0.0             | -----  | 27 R  | 5- -59  | ----                   | D                |          |         |
| 945-201-1   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32,<br>T. 8 S., R. 23 E. | U.S. Geological<br>Survey | Central Florida<br>Well Drillers     | 145   | 116          | 4                    | F L     | .0              | -----  | 33.89                                       | 2- 2-60   | 73                     | ---              | Da, CF   |         |
| 945-201-2   | -----do-----  | -----do-----              | -----do-----                         | 186   | 161          | 4                    | F L     | .0              | 126 A  | 32.04                                       | 3-24-60   | ----                   | O                | CF       |         |
| 945-201-3   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32,<br>T. 8 S., R. 23 E. | T. W. Baker               | -----do-----                         | 85  | -----        | 2                    | SA TCo  | .5              | -----  | 12.54                                       | 8-25-59   | ----                   | N                |          |         |
| 945-202-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31,<br>T. 8 S., R. 23 E. | Ralph C.<br>Ridenour      | H. L. Ownbey                         | 147   | 102          | 2                    | F L     | .0              | -----  | 37 R  | 4-23-58   | ----                   | D, Ir            |          |         |
| 945-202-2   | SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31,<br>T. 8 S., R. 23 E. | Gus Alderman              | E. McGollie                          | 158   | -----        | 2                    | F L     | .0              | -----  | 56 R  | 7- -59  | ----                   | Ir, S            |          |         |
| 945-202-3   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31,<br>T. 8 S., R. 23 E. | -----do-----              | Sam Jordan                           | 90  | -----        | 2                    | SA TC   | .2              | -----  | 35.43                                       | 8- 6-59   | ----                   | N                |          |         |
| 945-202-4   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31,<br>T. 8 S., R. 23 E. | Werner                    | E. McGollie                          | 70  | -----        | 2                    | SA L    | .0              | -----  | 15 R  | 1951  | ----                   | D, Ir            |          |         |
| 946-156-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24,<br>T. 8 S., R. 23 E. | U.S. Geological<br>Survey | U.S. Soil<br>Conservation<br>Service | 29  | 27           | 1 $\frac{1}{2}$      | W TC    | 1.0             | 94 T   | 8.83  | 4- 6-59   | ----                   | O                | CF       |         |
| 946-159-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27,<br>T. 8 S., R. 23 E. | -----do-----              | -----do-----                         | 45  | 42           | 1 $\frac{1}{2}$      | W TC    | 2.3             | 128 T  | 30.29                                       | 4- 6-59   | ----                   | O                | CF       |         |
| 946-159-2   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22,<br>T. 8 S., R. 23 E. | E. Glisson                | D. Eubanks                           | 130   | 105          | 2                    | SA ---- | -----           | 120 T  | -----                                       | -----   | ----                   | D                |          |         |
| 946-159-3   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21,<br>T. 8 S., R. 23 E. | R. H. Allen               | Sam Jordan                           | 137   | 89           | 2                    | SA TC   | 1.0             | 115 T  | 22.00                                       | 9-16-59   | ----                   | D                |          |         |
| 946-159-4   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27,<br>T. 8 S., R. 23 E. | U.S. Geological<br>Survey | Central Florida<br>Well Drillers     | 249   | 193          | 4                    | F L     | .0              | 130 T  | 40.54<br>41.27                              | 3-22-60<br>4-22-60                              | ----                   | O                | CF, E, G |         |
| 946-200-1   | SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28,<br>T. 8 S., R. 23 E. | Dykes                     | -----do-----                         | 20  | 20           | 1 $\frac{1}{2}$      | W TC    | .5              | -----  | 6.84  | 10-26-59  | ----                   | N                |          |         |

| Well number | Location                             | Owner                  | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|--------------------------------------|------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |                                      |                        |                                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
| 946-200-2   | SW¼NW¼ sec. 28<br>T. 8 S., R. 23 E.  | E. L. Geiger           | -----                          | 23  | 23           | 1½                | W       | TC          | 1.2   | -----                                 | 9.00                                      | 10-26-59            | ----             | N     |         |
| 946-200-3   | -----do-----                         | W. W. Cox              | E. McGollis                    | 121                                       | 55           | 2                 | SA      | L           | .0  | -----                                 | 33 R                                      | 10- -53             | ----             | D, Ir |         |
| 946-200-4   | -----do-----                         | C. W. Gibbs            | -----do-----                   | 18  | 30           | 4                 | W       | TC          | .95   | -----                                 | 13.47                                     | 10-26-59            | ----             | N     |         |
| 946-200-5   | NE¼NE¼ sec. 29,<br>T. 8 S., R. 23 E. | Seth Kennedy           | -----                          | 92  | ----         | 2                 | SA      | TC          | .6  | -----                                 | 16.11                                     | 10-29-59            | ----             | N     |         |
| 946-202-1   | SW¼NW¼ sec. 30,<br>T. 8 S., R. 23 E. | U.S. Geological Survey | U.S. Soil Conservation Service | 22  | 20           | 1½                | W       | TC          | 5.0   | 106.88 EL                             | 6.68                                      | 6-26-58             | 72.5             | O     | CF      |
| 946-202-2   | NW¼NW¼ sec. 30,<br>T. 8 S., R. 23 E. | -----do-----           | -----do-----                   | 50  | 50           | 1½                | W       | TC          | 2.0   | 117.31 EL                             | 20.70                                     | 6-18-58             | ----             | O     | CF      |
| 946-202-3   | NE¼SW¼ sec. 19,<br>T. 8 S., R. 23 E. | -----do-----           | -----do-----                   | 50  | 50           | 1½                | W       | TC          | 3.0   | 135.77 EL                             | 29.97                                     | 6-25-58             | ----             | O     | CF      |
| 946-202-4   | NW¼NE¼ sec. 30,<br>T. 8 S., R. 23 E. | Keystone Water Works   | Acme Drilling Co.              | 492                                       | 189          | 8                 | F       | TC          | 1.0   | 150 T                                 | 62.27                                     | 12-15-59            | ----             | F     | CF, E   |
| 947-156-1   | SW¼NE¼ sec. 18,<br>T. 8 S., R. 24 E. | Mrs. Mary Smith        | A. Rhoden                      | 113                                       | ----         | 2                 | SA      | ----        | -----   | 95 T                                  | -----                                     | -----               | ----             | D     |         |
| 947-200-1   | NE¼SE¼ sec. 17,<br>T. 8 S., R. 23 E. | H. A. Dale             | -----                          | 31  | ----         | 1½                | W       | TC          | .4  | 125 T                                 | 14.53                                     | 10-20-59            | ----             | N     |         |
| 947-200-2   | -----do-----                         | Corbett                | -----                          | 20  | ----         | 1½                | W       | TC          | 1.1   | 115 T                                 | 4.89                                      | 10-20-59            | ----             | N     |         |
| 947-200-3   | -----do-----                         | U.S. Geological Survey | B. W. Layman Well Drilling     | 134                                       | 91           | 2                 | SA      | TC          | 2.1   | -----                                 | 48.72                                     | 2-18-60             | ----             | O     | CF      |
| 947-201-1   | SE¼NE¼ sec. 19,<br>T. 8 S., R. 23 E. | Keystone Water Works   | Gray Well and Pump Co.         | 332                                       | 184          | 8                 | F       | ----        | -----   | 139.9 EL                              | -----                                     | -----               | 73.8             | F     | CF      |
| 947-201-2   | -----do-----                         | -----do-----           | Duval Drilling Co.             | 450                                       | 147          | 8                 | F       | ----        | -----   | -----                                 | -----                                     | -----               | ----             | F     |         |

| Well number | Location                            | Owner                     | Driller                              | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Measuring point |  |   | Water level                                     |                        | Temperature (°F) | Use   | Remarks   |
|-------------|-------------------------------------|---------------------------|--------------------------------------|---|--------------|----------------------|---------|-----------------|--|---|---|------------------------|------------------|-------|-----------|
|             |                                     |                           |                                      |   | Depth (feet) | Diameter<br>(inches) |         | Description     | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above ( ) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |       |           |
| 947-201-3   | NE1/4 sec. 19,<br>T. 8 S., R. 23 E. | U.S. Geological<br>Survey | U.S. Soil<br>Conservation<br>Service | 42  | 40           | 1 1/2                | W       | TC              | 0.0  | 119.63 EL                                   | 18.5  | 6-17-58                | ----             | O     | CF        |
| 947-201-4   | SW1/4 sec. 17,<br>T. 8 S., R. 23 E. | -----do-----              | Albert H. Miller                     | 307   | 167          | 4                    | F       | TC              | 2.7  | 153.28 EL                                   | 66.32   | 9-11-59                | ----             | O     | CF, E, G. |
| 947-201-5   | NW1/4 sec. 20,<br>T. 8 S., R. 23 E. | J. W. Simerel             | E. McGollie                          | 105   | 65           | 2                    | SA      | TC              | .6   | 138 T                                       | 37 R  | 1- -56                 | ----             | N     |           |
| 947-201-6   | -----do-----                        | R. H. Jackson             | H. L. Ownbey                         | 217   | 174          | 2                    | F       | L               | .0   | 138 T                                       | 61 R  | 7-31-59                | ----             | D, Ir |           |
| 947-201-7   | SE1/4 sec. 18,<br>T. 8 S., R. 23 E. | Frank Nooney              | -----do-----                         | 21  | -----        | 1 1/2                | W       | TC              | .9   | 125 T                                       | .46   | 10-19-59               | ----             | N     |           |
| 947-201-8   | SE1/4 sec. 17,<br>T. 8 S., R. 23 E. | Roy W. Tyre               | H. L. Ownbey                         | 119   | -----        | 2                    | SA      | L               | .0   | 152 T                                       | 47 R  | 8-15-52                | ----             | D, Ir |           |
| 947-201-9   | SW1/4 sec. 17,<br>T. 8 S., R. 23 E. | E. L. Southwell           | -----do-----                         | 22  | -----        | 1 1/2                | W       | TT              | 1.2  | 125 T                                       | 12.94   | 10-19-59               | ----             | N     |           |
| 947-201-10  | SE1/4 sec. 17,<br>T. 8 S., R. 23 E. | F. H. Gaige               | Sam Jordan                           | 118   | -----        | 2                    | SA      | TCo             | .7   | 160 T                                       | 54.3  | 10-19-59               | ----             | N     |           |
| 947-201-11  | -----do-----                        | C. E. Moody               | -----do-----                         | 190   | -----        | 2                    | F       | L               | .0   | 125 T                                       | 46 R  | 1952                   | ----             | D     |           |
| 947-201-12  | NW1/4 sec. 17<br>T. 8 S., R. 23 E.  | W. P. Wilson              | Wright                               | 87  | 84           | 2                    | SA      | TC              | .3   | 125 T                                       | 21.65   | 10-20-59               | ----             | N     |           |
| 947-201-13  | -----do-----                        | -----do-----              | H. L. Ownbey                         | 159   | -----        | 2                    | SA      | L               | .0   | 130 T                                       | 57 R  | 1956                   | ----             | D     |           |
| 947-201-14  | NW1/4 sec. 17,<br>T. 8 S., R. 23 E. | U.S. Geological<br>Survey | B. W. Layman<br>Well Drilling        | 112   | 83           | 1 1/2                | SA      | TC              | 1.8  | 140.43 EL                                   | 27.60   | 2-26-60                | 70.5             | O     | CF        |
| 947-201-15  | -----do-----                        | -----do-----              | -----do-----                         | 43  | 40           | 2                    | W       | TC              | 1.7  | 140.33 EL                                   | 26.23   | 2-26-60                | ----             | O     |           |
| 947-201-16  | NW1/4 sec. 20,<br>T. 8 S., R. 23 E. | -----do-----              | -----do-----                         | 144   | 61           | 2                    | SA      | TC              | 2.4  | 147.41 EL                                   | 48.10   | 3-31-60                | ----             | O     | CF        |
| 947-201-17  | -----do-----                        | -----do-----              | -----do-----                         | 43  | 40           | 2                    | W       | TC              | 2.15   | 147.16 EL                                   | 36.07   | 3-31-60                | ----             | O     |           |

| Well number | Location  | Owner                     | Driller                       | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Measuring point |  |   | Water level                                     |                        | Temperature (°F) | Use | Remarks |
|-------------|---|---------------------------|-------------------------------|---|--------------|----------------------|---------|-----------------|--|---|---|------------------------|------------------|-----|---------|
|             |   |                           |                               |   | Depth (feet) | Diameter<br>(inches) |         | Description     | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (+) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |     |         |
|             |   |                           |                               |   |              |                      |         |                 |  |   |   |                        |                  |     |         |
| 947-201-18  | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17,<br>T. 8 S., R. 23 E. | U.S. Geological<br>Survey | J. J. Hare                    | 147   | 80           | 6                    | SA TC   | 1.95            | -----  | 27.22                                       | 4-12-60   | ----                   | O                | CF  |         |
| 947-202-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 8 S., R. 23 E. | S. E. Thompson            | H. L. Ownbey                  | 271   | 262          | 2                    | F L     | .0              | 122 T  | 67 R  | 7-31-59   | 75                     | D, Ir            |     |         |
| 947-202-2   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 8 S., R. 23 E. | G. L. Purdy               | -----                         | 36  | -----        | 8                    | W TC    | 3.3             | -----  | 23.92                                       | 10-16-59  | ----                   | N                |     |         |
| 947-202-3   | -----do-----  | -----do-----              | -----                         | 21  | -----        | 2                    | W TC    | .45             | -----  | -----                                       | -----   | ----                   | N                | WF  |         |
| 947-202-5   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 8 S., R. 23 E. | Mrs. W. G.<br>Carpenter   | D. Eubanks                    | 120   | -----        | 2                    | SA ---- | -----           | 125 T  | -----                                       | -----   | ----                   | D                |     |         |
| 947-202-6   | -----do-----  | -----do-----              | -----                         | -----   | -----        | 1 $\frac{1}{2}$      | W ----  | -----           | 125 T  | -----                                       | -----   | ----                   | N                |     |         |
| 947-202-8   | -----do-----  | S. F. Thompson            | -----                         | 23  | 150          | 2                    | W TC    | .4              | 128 T  | 13.82                                       | 10-19-59  | ----                   | N                |     |         |
| 947-202-9   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 8 S., R. 23 E. | Devey Cannon              | -----                         | -----   | -----        | 1 $\frac{1}{2}$      | W TC    | 1.55            | 128 T  | -----                                       | -----   | ----                   | Ir               |     |         |
| 947-202-10  | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 8 S., R. 23 E. | Turner                    | -----                         | 150   | -----        | 2                    | SA ---- | -----           | -----  | -----                                       | -----   | ----                   | D, Ir            |     |         |
| 947-202-11  | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 8 S., R. 23 E. | U.S. Geological<br>Survey | B. W. Layman<br>Well Drilling | 180   | 78           | 2                    | SA TC   | 2.2             | 149 EL   | 36.04                                       | 3-22-60   | ----                   | O                | CF  |         |
| 947-202-12  | -----do-----  | -----do-----              | -----do-----                  | 40  | 40           | 2                    | W TC    | 2.1             | 148.97 EL  | 26.86                                       | 3-22-60   | ----                   | O                |     |         |
| 947-202-13  | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 8 S., R. 23 E. | -----do-----              | -----do-----                  | 449   | 440          | 2                    | F TC    | .0              | 123.32 EL  | 30.19                                       | 4-28-60   | ----                   | O                | CF  |         |
| 947-202-14  | -----do-----  | -----do-----              | -----do-----                  | 46  | 43           | 2                    | W TC    | .0              | 123.37 EL  | 9.7   | 3-10-60   | 70.5                   | O                |     |         |
| 947-202-15  | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19,<br>T. 8 S., R. 23 E. | -----do-----              | -----do-----                  | 93  | 64           | 2                    | SA TC   | 2.2             | 127.16 EL  | 32.72                                       | 3-15-60   | 71.5                   | O                | CF  |         |
| 947-202-16  | -----do-----  | -----do-----              | -----do-----                  | 29  | 26           | 2                    | W TC    | 2.0             | 127.02 EL  | 13.03                                       | 3-15-60   | 71.5                   | O                |     |         |

| Well number | Location   | Owner                  | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                                   |                     | Temperature (°F) | Use | Remarks |
|-------------|--|------------------------|--------------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |  |                        |                                |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below (-) measuring point (feet) | Date of measurement |                  |     |         |
|             |  |                        |                                |   |              |                   |         |                 |   |                                       |   |                     |                  |     |         |
| 947-202-17  | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 8 S., R. 23 E. | U.S. Geological Survey | B. W. Leyman Well Drilling     | 147                                       | 51           | 2                 | SA      | TC              | 0.0   | 131.35 EL                             | 34.85   | 3-31-60             | ----             | O   | CF      |
| 947-202-18  | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 8 S., R. 23 E. | -----do-----           | J. J. Hare                     | 168                                       | 147          | 6                 | F       | TC              | 2.4   | 127.4 EL                              | 37.93   | 5-18-60             | ----             | O   | CF      |
| 947-202-19  | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 8 S., R. 23 E. | -----do-----           | H. L. Ombey                    | 85  | 78           | 2                 | SA      | TC              | 2.7   | 145.27 EL                             | 40.09   | 5-30-60             | ----             | O   | CF      |
| 947-202-20  | -----do-----   | -----do-----           | -----do-----                   | 26  | 19           | 2                 | W       | TC              | 2.3   | 144.91 EL                             | 20.14   | 5-30-60             | ----             | O   |         |
| 947-202-21  | -----do-----   | -----do-----           | U.S. Geological Survey         | 12  | 12           | 1 $\frac{1}{2}$   | W       | TC              | 3.0   | -----                                 | 10.75<br>10.62                                | 7-18-60<br>7-29-60  | ----             | O   |         |
| 947-202-22  | -----do-----   | -----do-----           | -----do-----                   | 2.5                                       | 2.5          | 1 $\frac{1}{2}$   | W       | TC              | .0  | -----                                 | 1.71  | 7-18-60             | ----             | O   |         |
| 948-154-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 8 S., R. 24 E. | H. Sibley              | H. L. Ombey                    | 64  | 48           | 2                 | SA      | TC              | .2  | -----                                 | 11.77   | 6-24-58             | ----             | D   |         |
| 948-154-2   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 8 S., R. 24 E.  | M. I. Crosby           | -----do-----                   | 192                                       | -----        | 2                 | SA      | TC              | .5  | 100 T                                 | 31 R  | 1957                | ----             | D   |         |
| 948-155-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 8 S., R. 24 E.  | U.S. Geological Survey | U.S. Soil Conservation Service | 27  | 25           | 1 $\frac{1}{2}$   | W       | TC              | 2.0   | 112.69 EL                             | 13.78   | 6-26-58             | 70.6             | O   | CF      |
| 948-200-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 8 S., R. 23 E. | -----do-----           | -----do-----                   | 49  | 47           | 1 $\frac{1}{2}$   | W       | TC              | 2.4   | 132.07 EL                             | 39.97   | 4- 6-59             | ----             | O   | CF      |
| 948-200-2   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 8 S., R. 23 E. | Ernest Burch           | -----do-----                   | 15  | -----        | 1 $\frac{1}{2}$   | W       | TC              | 1.0   | 107.71 EL                             | 13.05   | 12-11-59            | ----             | N   |         |
| 948-200-3   | -----do-----   | -----do-----           | -----do-----                   | 23  | -----        | 1 $\frac{1}{2}$   | W       | TC              | 1.2   | 108.38 EL                             | 13.32   | 12-11-59            | ----             | N   |         |
| 948-200-4   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 8 S., R. 23 E. | U.S. Geological Survey | B. W. Leyman Well Drilling     | 126                                       | 76           | 2                 | SA      | TC              | 2.15  | 136.09 EL                             | 42.6  | 2-24-60             | 71               | O   | CF      |
| 948-200-5   | -----do-----   | -----do-----           | -----do-----                   | 49  | 46           | 2                 | W       | TC              | 2.2   | 136.13 EL                             | 38.44   | 3-22-60             | ----             | O   |         |
| 948-200-6   | -----do-----   | -----do-----           | -----do-----                   | 68  | 68           | 2                 | W       | TC              | 2.25  | 136.23 EL                             | 37.83   | 3-22-60             | ----             | O   |         |
| 948-200-7   | -----do-----   | -----do-----           | J. J. Hare                     | 136                                       | 83           | 6                 | SA      | TC              | 2.2   | -----                                 | 41.0  | 5-18-60             | ----             | O   | CF      |

| Well number | Location   | Owner                  | Driller                     | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use    | Remarks |
|-------------|--|------------------------|-----------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|--------|---------|
|             |  |                        |                             |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |        |         |
| 948-201-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 8 S., R. 23 E.  | Y.M.C.A.               | Gray Well and Pump Co.      | 395                                       | 151          | 4                 | F       | ----        | 132.9   | EL                                    | -----                                     | ----                | F                | CF     |         |
| 948-201-2   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 8 S., R. 23 E. | U.S. Geological Survey | Albert H. Miller            | -----                                     | -----        | -----             | F       | -----       | 140   | T                                     | -----                                     | ----                | ---              | Da, CF |         |
| 948-201-3   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 8 S., R. 23 E. | Howard Tucker          | H. L. Ownbey                | 98  | 63           | 2                 | SA      | L           | 0.0   | 131 T                                 | 37 R                                      | 3-19-57             | ----             | D, Ir  |         |
| 948-201-4   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 8 S., R. 23 E. | Hindin                 | -----do-----                | 109                                       | 84           | 2                 | SA      | L           | .0  | 135 T                                 | 38 R                                      | 8-11-58             | ----             | D, Ir  |         |
| 948-201-5   | -----do-----   | Marion B. Bowles       | -----do-----                | 91  | -----        | 2                 | SA      | L           | .0  | 130 T                                 | 15 R                                      | 7- 9-51             | ----             | D, Ir  |         |
| 948-201-6   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 8 S., R. 23 E.  | Head                   | -----do-----                | 142                                       | 84           | 2                 | SA      | L           | .0  | 125 T                                 | 46 R                                      | 1- -56              | ----             | D      |         |
| 948-201-7   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 8 S., R. 23 E.  | U.S. Geological Survey | B. W. Layman Well Drilling  | 122                                       | 76           | 2                 | F       | TC          | 2.2   | 139.53 EL                             | 52.36                                     | 2-18-60             | ----             | 0      | CF      |
| 948-201-8   | -----do-----   | -----do-----           | -----do-----                | 43  | 40           | 2                 | W       | TC          | 2.3   | 139.47 EL                             | 26.52                                     | 2-18-60             | 71.5             | 0      |         |
| 948-201-9   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 8 S., R. 23 E.  | -----do-----           | -----do-----                | 149                                       | 94           | 2                 | SA      | TC          | 1.9   | 163.02 EL                             | 49.12                                     | 2-19-60             | 70.5             | 0      | CF      |
| 948-201-10  | -----do-----   | -----do-----           | -----do-----                | 53  | 50           | 2                 | W       | TC          | 2.0   | 162.64 EL                             | 45.6                                      | 2-19-60             | 70.5             | 0      |         |
| 948-201-11  | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 8 S., R. 23 E. | -----do-----           | -----do-----                | 141                                       | 61           | 2                 | SA      | TC          | 2.05  | 131.24 EL                             | 20.76                                     | 3- 2-60             | ----             | 0      | CF      |
| 948-201-12  | -----do-----   | -----do-----           | -----do-----                | 32  | 29           | 2                 | W       | TC          | 2.1   | 131.19 EL                             | 17.81                                     | 3- 2-60             | 70.5             | 0      |         |
| 948-201-13  | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 8 S., R. 23 E.  | -----do-----           | U.S. Geological Survey      | 18  | 18           | 1 $\frac{1}{2}$   | W       | TC          | .0  | -----                                 | 14.43<br>14.20                            | 7-18-60<br>7-29-60  | ----             | 0      |         |
| 948-202-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 8 S., R. 23 E. | James C. Hall          | H. L. Ownbey                | 172                                       | 152          | 2                 | F       | L           | .0  | 118 T                                 | 37 R                                      | 9-18-59             | ----             | D, Ir  |         |
| 948-202-2   | -----do-----   | F. H. Saucer           | -----do-----                | 172                                       | 145          | 2                 | F       | L           | .0  | 118 T                                 | 33 R                                      | 7-31-59             | ----             | D, Ir  |         |
| 948-202-3   | -----do-----   | J. F. Hopkins          | Partridge Well Drilling Co. | 105                                       | -----        | 2                 | SA      | ----        | -----   | 123 T                                 | -----                                     | ----                | ----             | D, Ir  |         |



| Well number | Location                             | Owner                      | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks  |
|-------------|--------------------------------------|----------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|----------|
|             |                                      |                            |                                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |          |
| 948-202-4   | N41NW1/4 sec. 18, T. 8 S., R. 23 E.  | U.S. Geological Survey     | B. W. Layman Well Drilling     | 155                                       | 93           | 2                 | SA      | TC          | 2.3   | 172.86 EL                             | 60.07                                     | 3-11-60             | ----             | O     | CF       |
| 948-202-5   | -----do-----                         | -----do-----               | -----do-----                   | 67  | 64           | 2                 | W       | TC          | 1.75  | 172.51 EL                             | 55.57                                     | 3-17-60             | 71               | O     |          |
| 948-202-6   | N41NE1/4 sec. 18, T. 8 S., R. 23 E.  | -----do-----               | -----do-----                   | 145                                       | 80           | 2                 | SA      | TC          | 1.9   | 146.74 EL                             | 48.76                                     | 3-18-60             | 71.5             | O     | CF       |
| 948-202-7   | -----do-----                         | -----do-----               | -----do-----                   | 43  | 40           | 2                 | W       | TC          | 1.8   | 146.63 EL                             | 31.63                                     | 3-18-60             | ----             | O     |          |
| 948-202-8   | -----do-----                         | -----do-----               | J. J. Hare                     | 250                                       | 193          | 6                 | F       | TC          | 2.0   | -----                                 | 57.46                                     | 4-25-60             | 72               | O     | CF, E, G |
| 949-157-1   | N41NW1/4 sec. 12, T. 8 S., R. 23 E.  | W. L. Ivey                 | E. J. Plemons                  | 113                                       | 82           | 2                 | SA      | TC          | .0  | 98 T                                  | 17.27                                     | 9-23-58             | ----             | D     |          |
| 949-157-2   | -----do-----                         | Ollie Holland              | -----do-----                   | -----                                     | 137          | 1 1/2             | SA      | -----       | -----   | -----                                 | -----                                     | -----               | -----            | D     |          |
| 949-157-3   | -----do-----                         | Karl Zink                  | -----do-----                   | -----                                     | 117          | 2                 | SA      | -----       | -----   | -----                                 | -----                                     | -----               | -----            | D     |          |
| 949-157-4   | S41SE1/4 sec. 1, T. 8 S., R. 23 E.   | Florida Park Service       | V. C. Mickle                   | 181                                       | 115          | 6                 | SA      | -----       | -----   | -----                                 | -----                                     | -----               | -----            | F     | CF       |
| 949-157-5   | -----do-----                         | -----do-----               | Gray Well and Pump Co.         | 202                                       | 88           | 6                 | F       | -----       | -----   | -----                                 | -----                                     | -----               | 73.4             | F     | CF       |
| 949-157-6   | -----do-----                         | -----do-----               | C. C. C.                       | 110                                       | -----        | 4                 | SA      | TC          | .0  | 137 T                                 | 57.55                                     | 9- 5-58             | ----             | N     |          |
| 949-158-1   | SE1/4NW1/4 sec. 2, T. 8 S., R. 23 E. | Wester and Conrad Sand Co. | Duval Drilling Co.             | 450                                       | -----        | 10                | F       | -----       | -----   | -----                                 | -----                                     | -----               | 74               | Id    |          |
| 949-158-2   | S41NE1/4 sec. 2, T. 8 S., R. 23 E.   | All Florida Sand Co.       | -----do-----                   | 460                                       | 218          | 10                | F       | -----       | -----   | 173 T                                 | -----                                     | -----               | 74               | Id    | CF       |
| 949-158-3   | S41NW1/4 sec. 2, T. 8 S., R. 23 E.   | -----do-----               | E. McGollie                    | 300                                       | -----        | 2                 | F       | TC          | .5  | 150 T                                 | 87.43                                     | 7-27-59             | ----             | N     |          |
| 949-158-4   | SE1/4SE1/4 sec. 3, T. 8 S., R. 23 E. | Stanley Director           | H. L. Ombey                    | 78  | 70           | 2                 | SA      | L           | .0  | -----                                 | 21 R                                      | 6-14-56             | ----             | D, Ir |          |
| 949-159-1   | SE1/4SW1/4 sec. 3, T. 8 S., R. 23 E. | U. S. Geological Survey    | U.S. Soil Conservation Service | 38  | 38           | 1 1/2             | W       | TC          | 1.9   | 167 T                                 | 24.36                                     | 4- 6-59             | ----             | O     | CF       |

| Well number | Location                             | Owner                   | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       |   | Water level         |      | Temperature (°F) | Use  | Remarks |
|-------------|--------------------------------------|-------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------|------------------|------|---------|
|             |                                      |                         |                                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |      |                  |      |         |
| 949-159-2   | SE¼SW¼ sec. 3,<br>T. 8 S., R. 23 E.  | Dr. S. E. Simmons       | H. L. Ombey                    | 70  | -----        | 2                 | SA      | L           | 0.0   | -----                                 | 19 R                                      | 3-25-57             | ---- | D, Ir            |      |         |
| 949-201-1   | SE¼SW¼ sec. 5,<br>T. 8 S., R. 23 E.  | U.S. Geological Survey  | U.S. Soil Conservation Service | 22  | 20           | 1½                | W       | TC          | 2.5   | 127.76 EL                             | 5.22                                      | 6-26-58             | ---- | O                | CF   |         |
| 949-202-1   | NE¼NW¼ sec. 6,<br>T. 8 S., R. 23 E.  | U.S. Army               | Gray Well and Pump Co.         | 474                                       | 198          | 10                | F       | TPB         | 2.0   | 165.02 EL                             | 75.76                                     | 5-21-59             | ---- | F                | CF   |         |
| 950-137-2   | NW¼NW¼ sec. J2,<br>T. 7 S., R. 27 E. | E. J. Hickey            | -----                          | 400                                       | -----        | 4                 | F       | TT          | 3.0   | 20 A                                  | +14.4                                     | 2-16-60             | 71   | D, S             |      |         |
| 950-143-1   | SW¼SW¼ sec. 32,<br>T. 7 S., R. 26 E. | Union Bag and Paper Co. | -----                          | 138                                       | -----        | 2                 | SA      | TR          | .5  | 112 T                                 | 15.32                                     | 3-16-56             | ---- | D                |      |         |
| 950-155-1   | SW¼NE¼ sec. 32,<br>T. 7 S., R. 24 E. | U.S. Geological Survey  | U.S. Soil Conservation Service | 13  | 11           | 1½                | W       | TC          | 1.5   | 151 T                                 | 2.74                                      | 4- 6-59             | ---- | O                | CF   |         |
| 950-155-2   | SW¼SE¼ sec. 32,<br>T. 7 S., R. 24 E. | George M. Valledjuli    | Lewis Brewer                   | 295                                       | -----        | 3                 | F       | TC          | .5  | 165 T                                 | 65 R                                      | 1948                | ---- | D                |      |         |
| 950-157-1   | NW¼NW¼ sec. 36<br>T. 7 S., R. 23 E.  | Florida Park Service    | V. C. Mickle                   | 225                                       | 137          | 4                 | F       | TC          | .0  | 213 T                                 | 70.65                                     | 9-22-58             | ---- | N                | CF   |         |
| 950-157-2   | -----do-----                         | -----do-----            | Gray Well and Pump Co.         | 545                                       | 100          | 6                 | F       | TCo         | 1   | 214.2 EL                              | 129.18                                    | 5- 9-60             | 73.2 | F                | CF   |         |
| 950-202-1   | SW¼SW¼ sec. 31,<br>T. 7 S., R. 23 E. | U.S. Army               | -----do-----                   | 535                                       | 243          | 8                 | F       | L           | .0  | 180.0 EL                              | 102 R                                     | 7- -42              | ---- | F                | CF   |         |
| 951-137-1   | SW¼NE¼ sec. 29,<br>T. 7 S., R. 27 E. | Frank Williams          | Louis Ivey                     | 360                                       | 80           | 6                 | F       | TT          | 1.0   | 11 A                                  | +21.1                                     | 1-19-59             | 75   | D, S             | G-23 |         |
| 951-137-2   | NW¼SE¼ sec. 29,<br>T. 7 S., R. 27 E. | W. C. College           | J. Frazier                     | 329                                       | 50           | 4                 | F       | ----        | -----   | 11 T                                  | -----                                     | -----               | 75.8 | D, S             | G-24 |         |
| 951-137-3   | NW¼NW¼ sec. 32,<br>T. 7 S., R. 27 E. | C. J. Hicks             | -----                          | -----                                     | -----        | 4                 | F(?)    | TT          | 3.5   | 21 A                                  | +17.7                                     | 2-16-60             | 72   | D, S             |      |         |
| 951-154-1   | NW¼NE¼ sec. 28,<br>T. 7 S., R. 24 E. | George M. Valledjuli    | -----                          | 277                                       | 88           | 6                 | F       | TC          | .0  | 135 T                                 | 34.88                                     | 5-21-59             | ---- | N                |      |         |

| Well number | Location   | Owner                  | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks  |
|-------------|--|------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-----|----------|
|             |  |                        |                                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |          |
| 951-156-1   | SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 7 S., R. 24 E. | U.S. Geological Survey | U.S. Soil Conservation Service | 27  | 25           | 1 $\frac{1}{2}$   | W       | TC          | 2.3   | 211 T                                 | 6.17                                      | 4- 6-59             | ----             | O   | CF       |
| 951-156-2   | -----do-----   | George M. Valledjuli   | D. Eubanks                     | 204                                       | 165          | 2                 | F       | TC          | .0  | 210 T                                 | 19.75                                     | 5-25-59             | ----             | S   |          |
| 951-201-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 7 S., R. 23 E. | U.S. Geological Survey | U.S. Soil Conservation Service | 17  | 15           | 1 $\frac{1}{2}$   | W       | TC          | 2.8   | 136.77 EL                             | 5.69                                      | 6-22-58             | 67.5             | O   |          |
| 952-137-1   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 7 S., R. 27 E. | Les Binns              | -----do-----                   | 500                                       | 150          | 4                 | F       | TT          | 2.0   | 11 A                                  | +27.2                                     | 2- 5-60             | ----             | D   |          |
| 952-137-2   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 7 S., R. 27 E. | F. Williams            | R. L. Williams                 | 330                                       | 180          | 2                 | F       | TB          | .0  | 3 A                                   | +34.8                                     | 2-16-60             | 76               | D   |          |
| 952-137-3   | -----do-----   | -----do-----           | Brewer                         | 62  | -----        | 2                 | SA      | TE          | 1.0   | 3 A                                   | +2.6                                      | 2-16-60             | 71               | N   |          |
| 952-139-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 7 S., R. 26 E. | Mrs. Mae Lytle         | -----do-----                   | 220                                       | -----        | 2                 | F       | L           | .0  | -----                                 | 22 R                                      | 1952                | ----             | D   |          |
| 952-147-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 7 S., R. 26 E. | William Moody          | R. Driggers                    | 134                                       | 80           | 2                 | SA      | TPB         | 1.00  | -----                                 | 7.41                                      | 1- 8-60             | ----             | D   |          |
| 952-147-2   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 7 S., R. 25 E. | U.S. Geological Survey | Central Florida Well Drillers  | 319                                       | 290          | 4                 | F       | TC          | 2.55  | 99 T                                  | 16.80                                     | 4-28-60             | ----             | O   | CF, E, G |
| 952-147-3   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 7 S., R. 25 E. | M. A. Moody            | J. W. Moody                    | 161                                       | 151          | 2                 | SA      | TE          | 2   | 97 T                                  | 8.55                                      | 2-10-58             | ----             | D   |          |
| 952-148-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 7 S., R. 25 E. | B. L. Moody            | E. McGollie                    | 246                                       | 42           | 2                 | SA      | L           | .0  | -----                                 | 21 R                                      | 8- -59              | ----             | D   |          |
| 952-155-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 7 S., R. 24 E. | George M. Valledjuli   | -----do-----                   | 39  | -----        | 2                 | W       | TC          | 1.0   | 160 T                                 | 7.27                                      | 9-17-59             | ----             | S   |          |
| 952-201-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 7 S., R. 23 E. | U.S. Geological Survey | U.S. Soil Conservation Service | 17  | 15           | 1 $\frac{1}{2}$   | W       | TC          | 2.8   | 181.33 EL                             | 3.78                                      | 6-22-58             | 71.5             | O   | CF       |
| 953-137-1   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 7 S., R. 27 E. | Gertrude Herbert       | R. L. Williams                 | 245                                       | 100          | 2                 | F       | TC          | 1.0   | 4 A                                   | +24.0                                     | 2- 5-60             | 69               | D   |          |

| Well number | Location   | Owner                  | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|--|------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |  |                        |                                |   | Depth (feet) | Diameter (Inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
| 953-138-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 7 S., R. 27 E.  | P. L. Williamson       | L. Brewer                      | 494                                       | 274          | 4                 | F       | TCr         | 0.5   | 11 A                                  | +26.2                                     | 2- 5-60             | 73               | D, Ir |         |
| 953-140-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 7 S., R. 26 E. | Albert Johnson         | Albert Johnson                 | 60  | -----        | 1 $\frac{1}{2}$   | W       | L           | .0  | -----                                 | 15 R                                      | 11- -59             | ----             | D     |         |
| 953-153-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 7 S., R. 24 E. | O. J. Murrhee          | -----                          | 232                                       | -----        | 6                 | F       | TC          | .6  | 98 A                                  | 16.83                                     | 8- 4-59             | ----             | D, Ir | S       |
| 953-154-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 7 S., R. 24 E.  | U.S. Geological Survey | U.S. Soil Conservation Service | 13  | 11           | 1 $\frac{1}{2}$   | W       | TC          | 1.8   | 95 T                                  | 3.88                                      | 4- 6-59             | ----             | O     | CF      |
| 954-138-1   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 7 S., R. 27 E.  | Mrs. Gene Taylor       | D. C. Hardenbrook              | -----                                     | -----        | -----             | F(?)    | TT          | 1.8   | 12 T                                  | +28.2                                     | 2- 5-60             | ----             | D     |         |
| 954-138-2   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 7 S., R. 27 E.  | Leroy Edanfield        | -----do-----                   | -----                                     | -----        | 3                 | F(?)    | TCo         | .0  | 16 A                                  | +25.5                                     | 2- 8-60             | 73.5             | D, S  |         |
| 954-138-3   | -----do-----   | W. Hawkins             | Pique                          | 366                                       | -----        | 3                 | F       | TFa         | 1.6   | 16 A                                  | +23.5                                     | 2-15-60             | 73.5             | D, Ir |         |
| 954-140-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 7 S., R. 26 E.  | Jimmy Compton          | Jimmy Compton                  | 35  | -----        | 1 $\frac{1}{2}$   | W       | L           | .0  | -----                                 | 15 R                                      | 12- -59             | ----             | D, Ir |         |
| 954-153-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 7 S., R. 24 E.  | O. J. Murrhee          | -----                          | 60  | -----        | 1 $\frac{1}{2}$   | W       | ---         | ---   | ---                                   | ---                                       | ---                 | ----             | D     |         |
| 954-153-2   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 7 S., R. 24 E. | -----do-----           | Weeks                          | 185                                       | 80           | 2                 | SA      | L           | .0  | 95 T                                  | 16 R                                      | 1953                | ----             | D, Ir |         |
| 955-140-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 7 S., R. 26 E. | Mrs. O. L. Clevenger   | -----                          | 137                                       | -----        | 2                 | SA      | TC          | 1.07  | -----                                 | 18.29                                     | 2- 8-60             | ----             | D     |         |
| 955-141-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 6 S., R. 26 E. | C. R. Peeples          | -----                          | 26  | -----        | 1 $\frac{1}{2}$   | W       | L           | .0  | -----                                 | 15 R                                      | -----               | ----             | D, Ir | S       |
| 955-145-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 7 S., R. 25 E.  | M. M. Moody            | -----                          | 238                                       | 140          | 2                 | SA      | ---         | ---   | ---                                   | 13 R                                      | 1957                | ----             | D, S  |         |
| 955-145-2   | -----do-----   | Jay Daniels            | Duke                           | 200                                       | -----        | 2                 | SA      | ---         | ---   | ---                                   | ---                                       | ---                 | ----             | D     |         |

| Well number | Location                                  | Owner                  | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|---|------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |   |                        |                                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
| 955-146-1   | NW¼ sec. 2,<br>T. 7 S., R. 25 E.          | Janie Craven           | Duke                           | 240                                       | ----         | 2                 | F       | L           | 0.0   | -----                                 | 15 R                                      | 1957                | ----             | D S.  |         |
| 955-153-1   | SW¼ sec. 34,<br>T. 6 S., R. 24 E.         | U.S. Geological Survey | U.S. Soil Conservation Service | 18  | 15           | 1½                | W       | TC          | 2.1   | 92 T                                  | 3.44                                      | 4- 6-59             | ----             | O     | CF      |
| 956-139-1   | Land grant, sec. 38,<br>T. 6 S., R. 26 E. | Mrs. L. M. Hankins     | L. T. Ivey                     | 389                                       | 200          | 6                 | F       | TI          | 2.5   | 24 A                                  | +18.9                                     | 1-12-59             | 73.5             | S     | C-21    |
| 956-158-1   | SE¼ sec. 26,<br>T. 6 S., R. 23 E.         | U.S. Army              | -----                          | 117                                       | 117          | 12                | SA      | TC          | 2   | 153.42 EL                             | 77.08                                     | 10-20-58            | ----             | N     |         |
| 956-158-2   | NE¼ sec. 35,<br>T. 6 S., R. 23 E.         | -----do-----           | Gray Well and Pump Co.         | 580                                       | 358          | 10                | F       | L           | .0  | 162.37 EL                             | 83 R                                      | 5- -41              | ----             | P     | CF      |
| 956-159-1   | NW¼ sec. 27,<br>T. 6 S., R. 23 E.         | -----do-----           | Stavens Southern Co.           | 718                                       | 312          | 10                | F       | L           | .0  | 228.87 EL                             | 151 R                                     | 5- -41              | ----             | P     |         |
| 956-159-2   | SE¼ sec. 34,<br>T. 6 S., R. 23 E.         | -----do-----           | -----do-----                   | 695                                       | 292          | 12                | F       | L           | .0  | 188.22 EL                             | 117 R                                     | 5- -41              | ----             | P     | CF      |
| 956-159-3   | SE¼ sec. 27,<br>T. 6 S., R. 23 E.         | -----do-----           | -----do-----                   | 581                                       | 316          | 10                | F       | L           | .0  | 162.37 EL                             | 84.5 R                                    | 5- -41              | ----             | P     | CF      |
| 957-138-1   | Land grant, sec. 38,<br>T. 6 S., R. 26 E. | John Hall              | Partridge Well Drilling Co.    | 222                                       | -----        | 3                 | F       | TI          | 1.75  | -----                                 | +17.1                                     | 11-20-58            | 73.6             | S     |         |
| 957-141-1   | -----do-----                              | David E. Lee           | -----                          | 403                                       | 400          | 2                 | F       | L           | .0  | -----                                 | 1.5                                       | -----               | ----             | D, Ir |         |
| 957-144-1   | SE¼ sec. 30,<br>T. 6 S., R. 26 E.         | Arthur Knowles         | J. W. Moody                    | 140                                       | -----        | 2                 | SA      | L           | .0  | -----                                 | 8 R                                       | 1954                | ----             | D, Ir |         |
| 957-157-1   | SW¼ sec. 24,<br>T. 6 S., R. 23 E.         | U.S. Army              | Gray Well and Pump Co.         | 680                                       | 377          | 10                | F       | L           | .0  | 151.42 EL                             | 78.0 R                                    | 5- -41              | ----             | P     | CF      |
| 957-158-1   | SE¼ sec. 23,<br>T. 6 S., R. 23 E.         | -----do-----           | -----do-----                   | 290                                       | 125          | 12                | F       | ----        | -----   | 190.22 EL                             | -----                                     | -----               | ----             | N     | CF      |
| 957-158-2   | -----do-----                              | -----do-----           | -----do-----                   | 766                                       | 372          | 12                | F       | ----        | -----   | 161.0 EL                              | -----                                     | -----               | ----             | P     |         |

| Well number | Location                               | Owner                  | Driller                        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       |   | Water level         |      | Temperature (°F) | Use           | Remarks |
|-------------|--|------------------------|--------------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------|------------------|---------------|---------|
|             |  |                        |                                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |      |                  |               |         |
| 957-200-1   | NW¼SW¼ sec. 21, T. 6 S., R. 23 E.      | Noy Ward               | J. Wilhoit                     | 309                                       | 209          | 5                 | SA      | L           | 0.0   | 203 T                                 | 48.95                                     | 7-8-58              | ---- | D                |               |         |
| 957-200-2   | -----do-----                           | -----do-----           | -----do-----                   | 100                                       | -----        | 4                 | W       | ----        | -----   | 203 T                                 | -----                                     | -----               | ---- | N                |               |         |
| 957-200-3   | -----do-----                           | U.S. Geological Survey | U.S. Geological Survey         | 12  | 10           | 1½                | W       | TC          | 1.0   | 203 T                                 | 7.29                                      | 7-8-58              | ---- | O                |               |         |
| 957-202-1   | NW¼SE¼ sec. 19, T. 6 S., R. 23 E.      | -----do-----           | U.S. Soil Conservation Service | 20  | 18           | 1½                | W       | TC          | 1.9   | 221 T                                 | 3.22                                      | 4-6-59              | ---- | O                | CF            |         |
| 958-137-1   | Land grant, sec. 47, T. 6 S., R. 27 E. | H. R. Wiegand          | D. Hardenbrook                 | 400                                       | -----        | 3                 | F       | TT          | 1.0   | 4 A                                   | +21.2                                     | 2-10-60             | 72   | D                |               |         |
| 958-138-1   | Land grant, sec. 38, T. 6 S., R. 26 E. | U.S. Navy              | Duval Drilling Co.             | 600                                       | 301          | 12                | F       | L           | .0  | 10 T                                  | +12.6 R                                   | 3-55                | ---- | Ir               | CF            |         |
| 958-138-2   | Land grant, sec. 38, T. 6 S., R. 27 E. | J. F. Hall             | D. Hardenbrook                 | 475                                       | -----        | 3                 | F       | TFa         | 1.3   | 3 A                                   | +20.9                                     | 2-10-60             | 73   | D, Ir            |               |         |
| 958-139-1   | Land grant, sec. 38, T. 6 S., R. 26 E. | U.S. Navy              | Stevens Southern Co.           | 650                                       | 276          | 8                 | F       | TV          | 1.0   | 13.14 EL                              | +16.2                                     | 1-5-59              | 77   | P                | CF, Clay-7    |         |
| 958-139-2   | -----do-----                           | -----do-----           | Layne-Atlantic Co.             | 650                                       | 282          | 8                 | F       | TT          | 3.5   | -----                                 | +20.0                                     | 9-3-46              | ---- | P                | C-22, Clay-22 |         |
| 958-140-1   | -----do-----                           | Mrs. Emilyn Arrants    | Crowles                        | -----                                     | -----        | ---               | F(?)    | TT          | 2   | 16 A                                  | +13.6                                     | 2-9-60              | ---- | D                |               |         |
| 958-144-1   | NE¼NW¼ sec. 18, T. 6 S., R. 26 E.      | C. M. Burkhalter, Jr.  | Gray Well and Pump Co.         | 420                                       | 220          | 8                 | F       | TC          | 1.2   | 92 T                                  | 20.2                                      | 6-6-34              | ---- | N                | C-20          |         |
| 958-145-1   | NE¼NE¼ sec. 14, T. 6 S., R. 25 E.      | James Wilkinson        | Craig                          | 181                                       | 147          | 2                 | SA      | ----        | -----   | 82 T                                  | -----                                     | -----               | ---- | D                |               |         |
| 958-148-1   | SW¼NW¼ sec. 16, T. 6 S., R. 25 E.      | Foremost Properties    | -----                          | 118                                       | -----        | 6                 | SA      | L           | .0  | -----                                 | 18 R                                      | 1954                | 71.5 | P                |               |         |
| 958-148-2   | -----do-----                           | -----do-----           | Gray Well and Pump Co.         | 550                                       | 260          | 8                 | F       | L           | .0  | 82.86 EL                              | 14 R                                      | -----               | ---- | N                | CF            |         |

| Well number | Location                          | Owner                   | Driller                        | Depth of well, in feet below land surface | Casing       |                   |             | Aquifer | Measuring point                                 |                                       |   | Water level         |      | Temperature (°F) | Use  | Remarks |
|-------------|-----------------------------------|-------------------------|--------------------------------|---|--------------|-------------------|-------------|---------|---|---------------------------------------|---|---------------------|------|------------------|------|---------|
|             |                                   |                         |                                |   | Depth (feet) | Diameter (inches) | Description |         | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |      |                  |      |         |
|             |                                   |                         |                                |   |              |                   |             |         |   |                                       |   |                     |      |                  |      |         |
| 958-148-3   | SE¼NW¼ sec. 16, T. 6 S., R. 23 E. | Memorial Home Community | Stevens Southern Co.           | 402                                       | 280          | 10                | F           | L       | 0.0   | 97.15 EL                              | 12.5 R                                    | 1950                | ---- | F                | CF   |         |
| 958-149-1   | NE¼SW¼ sec. 17, T. 6 S., R. 23 E. | Foremost Properties     | -----                          | -----                                     | -----        | 8                 | F           | TC      | -7.54   | 94 T                                  | 13.55                                     | 11-13-58            | ---- | N                |      |         |
| 958-151-1   | SW¼NW¼ sec. 13, T. 6 S., R. 24 E. | St. Mary's Craft Corp.  | Ivey                           | 310                                       | -----        | 6½                | F           | TC      | .5  | 85 A                                  | 11.13                                     | 11-20-58            | ---- | N                | C-17 |         |
| 958-151-2   | -----do-----                      | U.S. Geological Survey  | U.S. Soil Conservation Service | 22  | 22           | 1½                | W           | TC      | .8  | 97 T                                  | 5.07                                      | 4- 6-59             | ---- | O                | CF   |         |
| 958-154-1   | SW¼NE¼ sec. 16, T. 6 S., R. 24 E. | U.S. Army               | -----                          | 400                                       | -----        | 5                 | F           | TC      | .1  | 90 T                                  | 10.2                                      | 6- 6-34             | 72   | N                | C-16 |         |
| 958-155-1   | NW¼NW¼ sec. 17, T. 6 S., R. 24 E. | Florida Forest Service  | Gray and Stevens               | 680                                       | 420          | 6                 | F           | TCO     | 1.5   | 160 T                                 | 75.2                                      | 11- 4-34            | ---- | D                | C-15 |         |
| 958-155-2   | -----do-----                      | U.S. Geological Survey  | U.S. Soil Conservation Service | 15  | 13           | 1½                | W           | TC      | 2.00  | 143 T                                 | 4.66                                      | 4- 6-59             | ---- | O                | CF   |         |
| 958-157-1   | NW¼SW¼ sec. 13, T. 6 S., R. 23 E. | U.S. Army               | Stevens Southern Co.           | 685                                       | 342          | 12                | F           | ----    | -----   | 149.05 EL                             | 74 R                                      | 5-10-41             | ---- | P                | CF   |         |
| 958-158-1   | SW¼NW¼ sec. 14, T. 6 S., R. 23 E. | -----do-----            | Gray Well and Pump Co.         | 661                                       | 380          | 10                | F           | L       | .0  | 166.61 EL                             | 91.0 R                                    | 5- -41              | ---- | P                | CF   |         |
| 958-158-2   | SW¼SE¼ sec. 14, T. 6 S., R. 23 E. | -----do-----            | Stevens Southern Co.           | 719                                       | 376          | 10                | F           | L       | .0  | 160.22 EL                             | 85.0 R                                    | 5- -41              | ---- | P                | CF   |         |
| 958-158-3   | NW¼NE¼ sec. 14, T. 6 S., R. 23 E. | -----do-----            | -----                          | 718                                       | 343          | 12                | F           | TC      | .0  | 153.20 EL                             | 79.70                                     | 10-20-58            | ---- | N                | E    |         |
| 958-159-1   | NW¼NE¼ sec. 15, T. 6 S., R. 23 E. | -----do-----            | Gray Well and Pump Co.         | 524                                       | -----        | 12                | F           | L       | .0  | 192 T                                 | 117 R                                     | 5- -41              | ---- | P                | CF   |         |
| 958-159-2   | NW¼NW¼ sec. 15, T. 6 S., R. 23 E. | Strickland's Beach      | Fartridge Well Drilling Co.    | 275                                       | 100          | 2                 | SA          | L       | .0  | 190 T                                 | 50 R                                      | 1955                | ---- | D                |      |         |
| 958-200-1   | NW¼SW¼ sec. 16, T. 6 S., R. 23 E. | L. E. Josey             | Wallace                        | 115                                       | 90           | 2                 | SA          | L       | .0  | -----                                 | 30 R                                      | 1955                | ---- | D, Ir            |      |         |

| Well number | Location                               | Owner                      | Driller                        | Depth of well in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks      |
|-------------|--|----------------------------|--------------------------------|--|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-------|--------------|
|             |  |                            |                                |  | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |              |
|             |  |                            |                                |  |              |                   |         |                 |   |                                       |   |                     |                  |       |              |
| 958-200-2   | NE 1/4 sec. 16, T. 6 S., R. 23 E.      | F. W. Strickland           | -----                          | 53                                       | -----        | 2                 | W       | L               | 0.0   | -----                                 | 15 R                                      | 3- -59              | ----             | D     |              |
| 959-140-1   | NE 1/4 sec. 11, T. 6 S., R. 26 E.      | Clay County School Board   | W. B. Ivey                     | 600                                      | 150          | 4                 | F       | TF              | 2.5   | 18.4 EL                               | +13.2                                     | 6-17-60             | 80               | F     | C-13, Clay-8 |
| 959-141-1   | Land grant, sec. 38, T. 6 S., R. 26 E. | City of Green Cove Springs | -----                          | 715                                      | -----        | 6                 | F       | L               | .0  | -----                                 | 10 R                                      | 1960                | ----             | F     |              |
| 959-141-2   | -----do-----                           | -----do-----               | L. Ivey                        | 850                                      | 400          | 8                 | F       | TV              | .5  | 23 T                                  | +1.5                                      | 5- 7-34             | 82               | F     | C-14         |
| 959-141-3   | -----do-----                           | -----do-----               | Duval Drilling Co.             | 605                                      | 420          | 12                | F       | L               | .0  | 60 T                                  | 10 R                                      | 4- -53              | ----             | F     | CF           |
| 959-142-1   | SE 1/4 sec. 9, T. 6 S., R. 26 E.       | T. J. Ben                  | T. J. Ben                      | 18                                       | -----        | 1 1/2             | W       | ---             | -----   | -----                                 | -----                                     | -----               | ----             | D, Ir |              |
| 959-142-2   | SW 1/4 sec. 9, T. 6 S., R. 26 E.       | L. C. Dean                 | T. Heifel                      | 47                                       | -----        | 2                 | W       | L               | .0  | -----                                 | 15 R                                      | -----               | ----             | D, Ir |              |
| 959-147-1   | SW 1/4 sec. 10, T. 6 S., R. 25 E.      | Shadowlawn Dairy           | Gray Well and Pump Co.         | 68                                       | -----        | 12                | W       | TC              | .5  | 103 T                                 | 32.66                                     | 11-13-58            | ----             | M     |              |
| 959-149-1   | SW 1/4 sec. 8, T. 6 S., R. 25 E.       | -----do-----               | Thompson                       | 500                                      | 250          | 8                 | F       | TC              | 7.4   | 96 T                                  | 9.0                                       | 6- 5-34             | ----             | M     | C-18         |
| 959-200-1   | SW 1/4 sec. 9, T. 6 S., R. 23 E.       | U.S. Geological Survey     | U.S. Soil Conservation Service | 15                                       | 18           | 1 1/2             | W       | TC              | 1.8   | 222 T                                 | 2.59                                      | 4- 6-59             | ----             | O     | CF           |
| 000-141-1   | SW 1/4 sec. 24, T. 5 S., R. 26 E.      | L. J. Ivey                 | Partridge Well Drilling Co.    | 365                                      | 300          | 3                 | F       | TCr             | 1.27  | 11 A                                  | +30.7                                     | 1-25-60             | 72               | D, Ir |              |
| 000-141-2   | Land grant, sec. 38, T. 6 S., R. 26 E. | Marina Motel               | D. C. Hardenbrook              | 431                                      | 84           | 3                 | F       | TT              | 1.8   | 10 A                                  | +13.25                                    | 6- 8-60             | 74               | D     |              |
| 000-148-1   | NE 1/4 sec. 4, T. 6 S., R. 25 E.       | Shadowlawn Dairy           | Humble Oil Co.                 | 5,862                                    | 2,921        | 20                | ---     | ---             | -----   | 105.1 EL                              | -----                                     | -----               | ----             | OT    | CF, Da, E    |
| 000-148-2   | SE 1/4 sec. 4, T. 6 S., R. 25 E.       | -----do-----               | -----                          | -----                                    | -----        | 1                 | L       |                 | .0  | -----                                 | 26 R                                      | 1948                | ----             | S     |              |



| Well number | Location                         | Owner               | Driller                     | Depth of well, in feet below land surface | Casing       |                   |         | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use      | Remarks      |
|-------------|----------------------------------|---------------------|-----------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|----------|--------------|
|             |                                  |                     |                             |   | Depth (feet) | Diameter (inches) | Aquifer | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |          |              |
| 000-151-1   | NE1/4 sec. 36, T. 5 S., R. 24 E. | Sam Saunders        | -----                       | 275                                       | 2            | F                 | L       | 0.0             | -----   | +1.50                                 | 1-22-60                                   | ----                | D, Ir, S         |          |              |
| 000-151-2   | SE1/4 sec. 36, T. 5 S., R. 24 E. | E. D. Saunders      | Wilson                      | 400                                       | 6            | F                 | TCo     | .0              | 70 A  | +1.84                                 | 2- 8-60                                   | 71.5                | Ir, S            |          |              |
| 000-152-1   | SE1/4 sec. 35, T. 5 S., R. 24 E. | Nathan Boree        | -----                       | 9   | 30           | W                 | TCb     | 3.4             | 95 T  | 7.1                                   | 12-21-59                                  | ----                | N                |          |              |
| 001-142-1   | SW1/4 sec. 33, T. 5 S., R. 26 E. | E. J. Studebaker    | -----                       | 400                                       | 4            | F                 | TFa     | 2.3             | 14 A  | +21.5                                 | 1-26-60                                   | 73                  | D, Ir            |          |              |
| 001-142-2   | NW1/4 sec. 33, T. 5 S., R. 26 E. | E. E. Scott         | -----                       | 485                                       | 3            | F                 | TT      | 1.45            | 21 A  | +25.0                                 | 1-26-60                                   | 72.5                | D, Ir            |          |              |
| 001-143-1   | SW1/4 sec. 29, T. 5 S., R. 26 E. | W. T. Fowell        | D. C. Hardenbrook           | 374                                       | 3            | F                 | TT      | 1.60            | 23 A  | +23.2                                 | 1-28-60                                   | 73                  | D, Ir            |          |              |
| 001-144-1   | SE1/4 sec. 31, T. 5 S., R. 26 E. | Mrs. W. T. Mitchell | -----do-----                | 420                                       | 60           | 3                 | F       | TT              | 3.40  | 31 A                                  | +23.5                                     | 1-26-60             | 74               | D, Ir, S |              |
| 002-142-1   | NW1/4 sec. 28, T. 5 S., R. 26 E. | Girl Scout Camp     | L. Ivey                     | 400                                       | 72           | 6                 | F       | TT              | 1.1   | 12.84 EL                              | +29.3                                     | 6-17-60             | 71.5             | F        | C-12, Clay-1 |
| 002-142-2   | NE1/4 sec. 29, T. 5 S., R. 26 E. | -----do-----        | D. C. Hardenbrook           | 335                                       | 126          | 3                 | F       | TC              | 2.8   | -----                                 | +35.0                                     | 4-22-58             | 72               | F        |              |
| 002-142-3   | NE1/4 sec. 28, T. 5 S., R. 26 E. | J. M. Biddle        | -----do-----                | 388                                       | 3            | F                 | TT      | 1.65            | 18 A  | +25.0                                 | 1-25-60                                   | 71                  | D, Ir            |          |              |
| 002-146-1   | SW1/4 sec. 23, T. 5 S., R. 26 E. | R. E. Lee           | -----do-----                | 528                                       | 120          | 2                 | F       | L               | .0  | 72 T                                  | 12 R                                      | 1952                | ----             | D, Ir, S |              |
| 002-149-1   | SW1/4 sec. 29, T. 5 S., R. 25 E. | Magnolia Land Co.   | -----                       | 40  | 2            | W                 | L       | .0              | 88 T  | 10 R                                  | 1954                                      | ----                | D, Ir            |          |              |
| 002-149-2   | -----do-----                     | -----do-----        | -----do-----                | 15  | 1 1/2        | W                 | TC      | .4              | 85 T  | 8.41                                  | 1-22-60                                   | ----                | N                |          |              |
| 002-151-1   | NE1/4 sec. 25, T. 5 S., R. 24 E. | W. S. Saunders      | Partridge Well Drilling Co. | 70  | 60           | 1 1/2             | W       | L               | .0  | 72 T                                  | 3 R                                       | 11- -59             | ----             | D, Ir    |              |

| Well number | Location   | Owner                     | Driller                     | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks     |
|-------------|--|---------------------------|-----------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|-------------|
|             |  |                           |                             |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |             |
| 002-153-1   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 5 S., R. 24 E. | T. H. Carter              | Hill                        | 215                                       | 63           | 2                 | SA      | TC          | 1.5   | 95 T                                  | 18.06                                     | 1- 7-60             | ----             | N     |             |
| 002-153-2   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 5 S., R. 24 E. | Herbert Bell              | J. Starling                 | 19  | -----        | 1 $\frac{1}{2}$   | W       | TC          | .6  | 95 T                                  | 6.27                                      | 1- 4-60             | ----             | N     |             |
| 002-153-3   | -----do-----   | -----do-----              | Weeks                       | 219                                       | 60           | 2                 | SA      | L           | .0  | 95 T                                  | 22 R                                      | 1953                | ----             | D     |             |
| 003-142-1   | Land grant, sec. 38, T. 5 S., R. 26 E.                       | Florida Forest Service    | D. C. Hardenbrook           | 400                                       | -----        | 3                 | F       | TT          | 1.33  | 13 A                                  | +29.5                                     | 1-28-60             | 71               | D, Ir |             |
| 003-145-1   | Land grant, sec. 39, T. 5 S., R. 25 E.                       | Luther Wilson             | C. D. Ace                   | 450                                       | 80           | 4                 | F       | TC          | 3.6   | 21 A                                  | +29.3                                     | 1- 9-59             | 73.8             | S     | C-10        |
| 003-145-2   | -----do-----   | W. R. Lee                 | Fartridge Well Drilling Co. | 479                                       | -----        | 3                 | F       | TCr         | .75   | 21 A                                  | +27.5                                     | 1-28-60             | 73               | D, Ir |             |
| 003-151-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 5 S., R. 24 E. | Mrs. M. A. Chaulker       | Stafford                    | 498                                       | 300          | 3                 | F       | TTa         | 2.0   | 29.72 EL                              | +41.7                                     | 8- 7-40             | 72               | D     | C-7, Clay-2 |
| 003-152-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 5 S., R. 24 E. | Claude Thomas             | M. W. Trout                 | 180                                       | -----        | 2                 | SA      | TT          | 1.2   | 25 T                                  | +14.5                                     | 1- 8-60             | 69.5             | D     |             |
| 003-152-2   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 5 S., R. 24 E. | Roy Robinson              | -----do-----                | 210                                       | 80           | 2                 | SA      | TT          | 1.70  | -----                                 | +20.0                                     | 1-21-60             | 69               | D, Ir |             |
| 003-153-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 5 S., R. 24 E. | St. Mark's Baptist Church | Fartridge Well Drilling Co. | 480                                       | 80           | 3                 | F       | L           | .0  | 95 T                                  | 18 R                                      | 10- -59             | ----             | F     |             |
| 004-141-1   | Land grant, sec. 38, T. 5 S., R. 26 E.                       | L. C. McKee               | L. T. Ivey                  | 500                                       | 137          | 4                 | F       | TT          | 1.85  | 17 A                                  | +29.9                                     | 1-15-59             | 76.2             | D     | C-11        |
| 004-141-2   | Land grant, sec. 37, T. 5 S., R. 26 E.                       | High Hammock Farms        | D. C. Hardenbrook           | -----                                     | -----        | 6                 | F(?)    | TT          | 2.65  | 16 A                                  | +29.0                                     | 1-29-60             | 69               | D, Ir |             |
| 004-144-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 5 S., R. 26 E. | C. C. Howard              | Fartridge Well Drilling Co. | 546                                       | 326          | 3                 | F       | TCr         | 1.24  | 13 A                                  | +34.5                                     | 1-28-60             | 74               | D, Ir |             |
| 004-144-2   | Land grant, sec. 40, T. 5 S., R. 26 E.                       | -----                     | -----                       | -----                                     | -----        | 4                 | ?       | TCb         | .0  | -----                                 | +4.3                                      | 1-28-60             | 73               | D     |             |
| 004-145-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 5 S., R. 25 E. | Dr. Luke Glennan          | -----                       | -----                                     | -----        | 3                 | F(?)    | TT          | 1.75  | 12 T                                  | +28.5                                     | 1-20-60             | 74               | D, Ir |             |

| Well number | Location                          | Owner           | Driller                     | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks     |
|-------------|-----------------------------------|-----------------|-----------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-------|-------------|
|             |                                   |                 |                             |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |             |
| 004-147-1   | NE¼SW¼ sec. 10, T. 5 S., R. 25 E. | R. E. Thorp     | D. C. Hardenbrook           | 485                                       | 200          | 3                 | F       | TT              | 1.75  | 18 A                                  | +26.5                                     | 1-20-60             | 72               | D, Ir |             |
| 004-148-1   | NE¼SW¼ sec. 9, T. 5 S., R. 25 E.  | R. J. Wolfe     | Owens                       | 450                                       | -----        | 3                 | F       | TGr             | .30   | 5 A                                   | +43.5                                     | 1-20-60             | 71               | D, Ir |             |
| 004-149-1   | SW¼SW¼ sec. 8, T. 5 S., R. 25 E.  | Clyde Pierce    | Fartridge Well Drilling Co. | 575                                       | -----        | 4                 | F       | TGr             | 2.6   | 19 A                                  | +40.0                                     | 1-20-60             | 71               | Ir, S |             |
| 004-150-1   | SW¼SW¼ sec. 7, T. 5 S., R. 25 E.  | R. F. Gilmore   | -----do-----                | 475                                       | -----        | 3                 | F       | TT              | 1.6   | 17 A                                  | +50.0                                     | 1-21-60             | 71               | D, Ir |             |
| 004-151-1   | NW¼SW¼ sec. 13, T. 5 S., R. 24 E. | Salvyn Frisbee  | Stafford                    | 360                                       | 330          | 3                 | F       | ----            | -----   | 40 A                                  | -----                                     | -----               | 71.8             | F     | C-8         |
| 004-153-1   | NW¼SW¼ sec. 10, T. 5 S., R. 24 E. | Hercules Inc.   | -----                       | 615                                       | -----        | 3                 | F       | TFa             | 2.5   | 26 A                                  | +43.0                                     | 1- 6-60             | ----             | D     |             |
| 004-153-2   | -----do-----                      | H. E. Allen     | Fartridge Well Drilling Co. | 500                                       | -----        | 3                 | F       | TGr             | .65   | 17 A                                  | +50.0                                     | 1-19-60             | 79               | D, Ir |             |
| 004-159-1   | NE¼SE¼ sec. 10, T. 5 S., R. 23 E. | Louie Carter    | -----                       | 58  | -----        | 1½                | W       | TC              | 1.9   | 87 T                                  | 5.88                                      | 12-16-59            | 70.5             | D     |             |
| 005-141-1   | NE¼SE¼ sec. 4, T. 5 S., R. 26 E.  | N. B. Orsburn   | Fartridge Well Drilling Co. | 525                                       | -----        | 3                 | F       | TCo             | 1.1   | 13 T                                  | +27.0                                     | 1-29-60             | 73               | D, Ir |             |
| 005-143-1   | NE¼SW¼ sec. 5, T. 5 S., R. 26 E.  | Gale Koening    | Miller                      | 500                                       | 330          | 4                 | F       | TFa             | 2.40  | 14 A                                  | +31.0                                     | 2- 9-60             | 67               | D, Ir |             |
| 005-145-1   | NW¼SW¼ sec. 1, T. 5 S., R. 25 E.  | F. T. Huntley   | Stavens Southern Co.        | 700                                       | -----        | 6                 | F       | TD              | 1.5   | 19 A                                  | +29.0                                     | 1-14-60             | 74               | Ir, S |             |
| 005-145-2   | NE¼SE¼ sec. 2, T. 5 S., R. 25 E.  | S. E. Hickerson | D. C. Hardenbrook           | 500                                       | 219          | 6                 | F       | TT              | 2.94  | 19 A                                  | +26.0                                     | 1-14-60             | 73.5             | Ir    | E, G        |
| 005-150-1   | SW¼SE¼ sec. 6, T. 5 S., R. 25 E.  | D. E. Baxley    | Owens                       | 476                                       | 420          | 2                 | F       | TE              | 1.55  | 25 T                                  | +28.8                                     | 1-20-60             | 72               | D, Ir |             |
| 005-151-1   | NE¼NE¼ sec. 37, T. 5 S., R. 24 E. | S. B. Jennings  | C. T. Ivey                  | 419                                       | 36           | 6                 | F       | TT              | 3.0   | 22 T                                  | +28.6                                     | 1-13-59             | 72.2             | D, S  | C-9, Clay-3 |

| Well number | Location                                    | Owner                           | Driller                     | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use         | Remarks      |
|-------------|---|---------------------------------|-----------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-------------|--------------|
|             |   |                                 |                             |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |             |              |
| 005-152-1   | SW $\frac{1}{4}$ sec. 2, T. 5 S., R. 24 E.  | Mercules Inc.                   | -----                       | -----                                     | -----        | 6                 | F       | ---             | -----   | -----                                 | -----                                     | -----               | 72               | S           |              |
| 006-141-1   | Land grant, sec. 44, T. 4 S., R. 26 E.      | W. D. Butler                    | Partridge Well Drilling Co. | 750                                       | 320          | 3                 | F       | TT              | 2.2   | 7 T                                   | +32.1                                     | 1-29-60             | 74               | D, Ir       |              |
| 006-144-1   | NE $\frac{1}{4}$ sec. 6, T. 5 S., R. 26 E.  | E. D. Saunders                  | Hoody                       | 550                                       | 440          | 3                 | F       | TCr             | 3.35  | 15 A                                  | +27.5                                     | 1-29-60             | 72.5             | D, Ir       |              |
| 006-146-1   | NE $\frac{1}{4}$ sec. 35, T. 4 S., R. 25 E. | Jacksonville Brick and Tile Co. | C. T. Ivey                  | 414                                       | 100          | 8                 | F       | ----            | 3.0   | 8 T                                   | +45.0                                     | 6- 4-34             | 72.5             | D           | C-6, Clay-28 |
| 006-146-2   | SW $\frac{1}{4}$ sec. 2, T. 4 S., R. 25 E.  | E. B. Lovett                    | Partridge Well Drilling Co. | 414                                       | 310          | 3                 | F       | TR              | .13   | 45 A                                  | +1.3                                      | 1-15-60             | 71               | D, Ir       |              |
| 006-147-1   | SW $\frac{1}{4}$ sec. 34, T. 4 S., R. 25 E. | W. E. Hensen                    | D. C. Hardenbrook           | 350                                       | -----        | 3                 | F       | TT              | 2.3   | 10 A                                  | +38.0                                     | 1-15-60             | 73               | D, Ir,<br>S |              |
| 006-149-1   | SW $\frac{1}{4}$ sec. 32, T. 4 S., R. 25 E. | T. J. Jennings                  | -----                       | 481                                       | 80           | 4                 | F       | TV              | 3.3   | 29.37 EL                              | +25.8                                     | 6-15-60             | 72               | S           | Clay-4       |
| 006-149-2   | NE $\frac{1}{4}$ sec. 32, T. 4 S., R. 25 E. | John Huntley                    | Stevens Southern Co.        | 530                                       | 157          | 4                 | F       | TF              | 2.5   | 26.51 EL                              | +23.0                                     | 6-15-60             | 73               | D, Ir       | Clay-5       |
| 006-150-1   | SW $\frac{1}{4}$ sec. 30, T. 4 S., R. 25 E. | F. P. Davis                     | M. W. Trout                 | 69  | -----        | 2                 | W       | L               | .0  | -----                                 | 15 R                                      | -----               | ----             | D, Ir,<br>S |              |
| 006-150-2   | SE $\frac{1}{4}$ sec. 31, T. 4 S., R. 25 E. | Irvin Padgett                   | Ovens                       | 600                                       | 200          | 3                 | F       | TT              | 1.9   | 32 A                                  | +24.25                                    | 1-19-60             | 71               | D, Ir,<br>S |              |
| 006-151-1   | SE $\frac{1}{4}$ sec. 25, T. 4 S., R. 24 E. | A. D. Crist                     | M. W. Trout                 | 70  | 70           | 2                 | W       | L               | .0  | 73 T                                  | 15 R                                      | 1954                | ----             | D, Ir       |              |
| 006-152-1   | SW $\frac{1}{4}$ sec. 26, T. 4 S., R. 24 E. | Marvin Padgett                  | -----                       | 8   | -----        | 1 $\frac{1}{2}$   | W       | TC              | 2.0   | -----                                 | 5.75                                      | 1- 5-60             | ----             | N           |              |
| 006-152-2   | NE $\frac{1}{4}$ sec. 35, T. 4 S., R. 24 E. | Avnor Hatcher                   | Ellison                     | 194                                       | -----        | 2                 | SA      | ----            | -----   | 85 T                                  | -----                                     | -----               | ----             | D           |              |

| Well number | Location   | Owner                    | Driller                     | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use      | Remarks |
|-------------|--|--------------------------|-----------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|----------|---------|
|             |  |                          |                             |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |          |         |
|             |  |                          |                             |   |              |                   |         |                 |   |                                       |   |                     |                  |          |         |
| 006-159-1   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 4 S., R. 23 E. | Hiram Padgett            | M. Stokes                   | 68  | 50           | 2                 | W       | TC              | 0.9   | 78 T                                  | 7.45                                      | 12-15-59            | 70.5             | D        |         |
| 006-159-2   | SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 4 S., R. 23 E. | Hardy Padgett            | -----do-----                | 62  | -----        | 2                 | W       | TC              | .7  | 85 T                                  | 9.24                                      | 12-17-59            | 70.5             | D        |         |
| 007-142-1   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 4 S., R. 26 E. | G. C. Gourley            | Partridge Well Drilling Co. | 750                                       | -----        | 3                 | F       | TCr             | 1.4   | 12 A                                  | +31.5                                     | 1-29-60             | 76               | D, Ir    |         |
| 007-143-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 4 S., R. 26 E. | John H. Pace, Jr.        | Stevens Southern Co.        | 473                                       | 356          | 8                 | F       | TT              | 1.3   | 3 A                                   | +38.0                                     | 1- 5-59             | 74.2             | D, S     |         |
| 007-144-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 4 S., R. 26 E. | Shank                    | Partridge Well Drilling Co. | 485                                       | -----        | 2                 | F       | TCr             | .80   | 8 A                                   | +36.7                                     | 2- 5-60             | 71               | D, Ir    |         |
| 007-145-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 4 S., R. 25 E. | B. F. Cherry             | -----do-----                | 450                                       | -----        | 2                 | F       | TCr             | 1.45  | 8 T                                   | +26.0                                     | 1-15-60             | 71               | D, Ir    |         |
| 007-145-2   | -----do-----   | George Murdock, Jr.      | M. W. Trout                 | 400                                       | -----        | 4                 | F       | TCr             | 1.40  | -----                                 | +19.75                                    | 1-19-60             | 71               | D, Ir    |         |
| 007-147-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 4 S., R. 25 E. | P. L. Knight             | -----do-----                | 460                                       | -----        | 3                 | F       | TT              | 1.68  | 31 A                                  | +20.0                                     | 1-15-60             | 72               | D, Ir, S |         |
| 007-158-1   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 4 S., R. 23 E. | Farley Austin            | M. Stokes                   | 60  | 48           | 2                 | W       | TC              | .7  | 88 T                                  | 1.98                                      | 12-17-59            | 70.5             | S        |         |
| 007-159-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 4 S., R. 23 E. | Floyd Johns              | -----do-----                | 80  | -----        | 2                 | W       | TC              | .9  | 80 T                                  | 13.66                                     | 12-15-59            | -----            | D, S     |         |
| 007-159-2   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 4 S., R. 23 E. | Clay Hill Baptist Church | -----do-----                | 20  | -----        | 1 $\frac{1}{2}$   | W       | TC              | .7  | 95 T                                  | 5.57                                      | 12-16-59            | 69.5             | F        |         |
| 007-200-1   | SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 4 S., R. 23 E. | Ernie L. Padgett         | M. Stokes                   | 135                                       | 125          | 2                 | SA      | TC              | 1.0   | 80 T                                  | 16 R                                      | 9- -54              | -----            | D        |         |
| 007-200-2   | -----do-----   | -----do-----             | -----do-----                | 11  | 10           | 1 $\frac{1}{2}$   | W       | TPS             | 3.0   | 80 T                                  | 7.22                                      | 2-17-60             | -----            | N        |         |
| 008-143-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 4 S., R. 25 E. | James Sanders            | Partridge Well Drilling Co. | 460                                       | 120          | 3                 | F       | TCr             | 1.55  | 28 A                                  | +20.5                                     | 1-15-60             | -----            | D        |         |

| Well number | Location                               | Owner                          | Driller                     | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|--|--------------------------------|-----------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |  |                                |                             |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
| 008-145-2   | NE¼SE¼ sec. 24, T. 4 S., R. 25 E.      | Log Cabin Fish Camp            | -----                       | 110                                       | -----        | 2                 | SA      | TT          | 0.75  | -----                                 | +7.5                                      | 1-13-60             | ----             | D, Ir |         |
| 008-146-1   | SW¼NW¼ sec. 23, T. 4 S., R. 25 E.      | S. F. Burras                   | Owens                       | 104                                       | -----        | 2                 | SA      | L           | .0  | -----                                 | 22 R                                      | 1953                | ----             | D, Ir |         |
| 008-155-1   | NE¼SW¼ sec. 17, T. 4 S., R. 24 E.      | S. B. Jennings                 | Stafford                    | 8   | 300          | 3                 | F       | ---         | -----   | 35 T                                  | -----                                     | -----               | 71.5             | N     | WE, C-5 |
| 008-159-1   | NW¼SW¼ sec. 22, T. 4 S., R. 23 E.      | D. W. Wilkinson                | -----                       | 21  | -----        | ---               | W       | TCb         | 2.7   | 85 T                                  | 16.2                                      | 12-15-59            | ----             | N     |         |
| 008-200-1   | NE¼NE¼ sec. 21, T. 4 S., R. 23 E.      | John Wilkinson                 | W. T. Wright                | 142                                       | 35           | 2                 | SA      | TC          | 1.5   | 75 T                                  | 3.5 R                                     | 9- -57              | ----             | D     |         |
| 009-142-1   | SE¼SW¼ sec. 41, T. 4 S., R. 26 E.      | A. H. Harrington               | Partridge Well Drilling Co. | 450                                       | -----        | 3                 | F       | TY          | .5  | 16 A                                  | +27.1                                     | 11-18-58            | 74.5             | P     | C-2     |
| 009-142-2   | Land grant, sec. 41, T. 4 S., R. 26 E. | Holly Point Development Co.    | Stevens Southern Co.        | 600                                       | 296          | 6                 | F       | ---         | -----   | 10 T                                  | +34.65 R                                  | -----               | 73.9             | P     | CP      |
| 009-143-1   | SE¼SE¼ sec. 7, T. 4 S., R. 26 E.       | Yerkes Lab. of Primate Biology | D. Woods                    | 516                                       | 500          | 4½                | F       | ---         | -----   | -----                                 | -----                                     | -----               | -----            | D     | C-1     |
| 009-200-1   | SE¼NE¼ sec. 16, T. 4 S., R. 23 E.      | Jack Wilkinson                 | M. Stokes                   | 58  | 58           | 2                 | W       | TC          | 1.4   | -----                                 | 9.93                                      | 12-18-59            | 70.2             | S     |         |
| 009-202-1   | NE¼NW¼ sec. 18, T. 4 S., R. 23 E.      | J. E. Albright                 | -----do-----                | 115                                       | 113          | 2                 | SA      | TC          | 1.0   | 155 T                                 | 10.05                                     | 2-16-60             | ----             | D     |         |
| 010-141-1   | Land grant, sec. 41, T. 4 S., R. 26 E. | T. J. McGriffin, Jr.           | L. T. Ivey                  | 530                                       | 350          | 5                 | F       | TY          | .9  | 12 A                                  | +30.0                                     | 11-17-58            | 83.3             | D     | C-4     |
| 010-142-1   | -----do-----                           | -----                          | Partridge Well Drilling Co. | 450                                       | 315          | 2                 | F       | TC          | .7  | 22 A                                  | +21.8                                     | 11-18-58            | 76.2             | D     |         |
| 010-142-2   | -----do-----                           | Dr. Edwin P. Heinrich          | Allen                       | 450                                       | 300          | 4                 | F       | TY          | 3.2   | 15 A                                  | +30.5                                     | 11-19-58            | 74               | D     | C-3     |
| 010-142-3   | -----do-----                           | -----                          | -----                       | 43  | -----        | 2                 | W       | TC          | .3  | 14 T                                  | 11.42                                     | 11-18-58            | ----             | N     |         |
| 010-142-4   | -----do-----                           | Frank W. Brown Inc.            | Stevens Southern Co.        | 405                                       | 335          | 8                 | F       | ---         | 1.9   | 22 T                                  | +30.2                                     | 2-18-42             | ----             | P     | CP      |

| Well number | Location   | Owner                            | Driller        | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                                   |                     | Temperature (°F) | Use | Remarks |
|-------------|--|----------------------------------|----------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |  |                                  |                |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below (-) measuring point (feet) | Date of measurement |                  |     |         |
| 010-142-5   | Land grant, sec. 41, T. 4 S., R. 26 E.   | Clay County Bd. of Public Instr. | D. Partridge   | 454                                       | 294          | 2                 | F       | ---         | 18 T  | ---                                   | ---   | ---                 | P                | CF  |         |
| 010-145-1   | SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 42, T. 4 S., R. 25 E. | Fred Spencer                     | Duke and Owens | 500                                       | ---          | 3                 | F       | L           | 0.0   | 38 A                                  | +10.5   | 1-26-60             | ---              | S   |         |
| 011-149-1   | SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 5, T. 4 S., R. 25 E.  | -----do-----                     | -----do-----   | 121                                       | ---          | 6                 | SA      | TC          | .32   | ---                                   | 7.80  | 1-26-60             | ---              | D   |         |
| 011-159-1   | NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 3, T. 4 S., R. 23 E.  | M. T. Knight                     | -----do-----   | 17  | 12           | 1 1/2             | W       | TC          | 2.9   | 85 T                                  | 9.78  | 12-14-59            | ---              | D   |         |
| 011-201-1   | NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 5, T. 4 S., R. 23 E.  | M. A. Strickland                 | M. Stokes      | 135                                       | 85           | 2                 | SA      | TC          | 1.5   | 95 T                                  | +4.5  | 2-16-60             | ---              | D   |         |

Union County

|           |  |                         |                         |     |     |       |    |    |     |          |        |          |     |    |    |
|-----------|--|-------------------------|-------------------------|-----|-----|-------|----|----|-----|----------|--------|----------|-----|----|----|
| 955-225-1 | NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 32, T. 6 S., R. 19 E. | H. S. Pinkston          | Acme Drilling Co.       | 110 | 60  | 4     | F  | TC | 0.5 | 113 A    | 59.56  | 1-28-60  | --- | D  |    |
| 955-225-2 | NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 3, T. 6 S., R. 19 E.  | R. I. Hamrick           | K. Clyatt               | 91  | 84  | 2     | F  | TC | .0  | -----    | 70 R   | 2- -58   | --- | D  |    |
| 955-225-3 | SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 33, T. 6 S., R. 19 E. | John D. Bielling        | S. Parrish              | 53  | 48  | 2     | SA | TC | .0  | -----    | 45 R   | 7- -58   | --- | D  |    |
| 955-225-4 | SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 33, T. 6 S., R. 19 E. | U.S. Corps of Engineers | U.S. Corps of Engineers | 155 | --- | 6     | F  | L  | .0  | 114.5 EL | 59.3 R | 11- 7-32 | --- | N  | CF |
| 956-222-1 | SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 26, T. 6 S., R. 19 E. | Junior Rainey           | J. Rainey, Sr.          | 25  | 25  | 1 1/2 | W  | TC | 3.0 | -----    | 7.83   | 1-28-60  | --- | D  |    |
| 956-223-1 | SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 23, T. 6 S., R. 19 E. | J. T. Thomas            | J. T. Thomas            | 98  | 80  | 2     | F  | TC | .0  | -----    | 63 R   | 6- -57   | --- | D  |    |
| 956-225-1 | NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec. 29, T. 6 S., R. 19 E. | Clay Co-op Power Co.    | Albert H. Miller        | 126 | 78  | 4     | F  | TC | .5  | -----    | 60 R   | 11- -59  | --- | Id |    |
| 956-226-1 | NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec. 30, T. 6 S., R. 19 E. | I. A. Waters            | -----do-----            | 15  | --- | 1 1/2 | W  | TC | .0  | -----    | 6 R    | 1951     | --- | D  |    |

| Well number | Location   | Owner                  | Driller                | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use  | Remarks |
|-------------|--|------------------------|------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|------|---------|
|             |  |                        |                        |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |      |         |
| 956-226-2   | SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 6 S., R. 19 E. | W. L. Brown            | Albert H. Miller       | 350                                       | 270          | 8                 | F       | TC          | 1.0   | 124 A                                 | 90 R                                      | 1957                | ----             | Ir   |         |
| 956-227-1   | SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 6 S., R. 19 E. | J. F. Douglas          | J. F. Douglas          | 12  | 12           | 1 $\frac{1}{2}$   | W       | TC          | .5  | -----                                 | 7 R                                       | 11- -59             | ----             | D    |         |
| 956-228-1   | NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 6 S., R. 18 E. | W. M. Tomlinson        | R. Hewitt              | 65  | 53           | 2                 | F       | TC          | 1.0   | -----                                 | 43 R                                      | 1-10-60             | ----             | D    |         |
| 957-221-1   | NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 6 S., R. 20 E. | Hoyt M. Mann           | Albert H. Miller       | 112                                       | 82           | 4                 | SA      | TC          | 1.0   | -----                                 | 4.93                                      | 2-12-60             | ----             | D, S |         |
| 957-221-2   | -----do-----   | -----do-----           | D. Duke                | 79  | -----        | 2                 | SA      | TC          | 1.0   | -----                                 | 6.42                                      | 2-12-60             | ----             | N    |         |
| 957-223-1   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 6 S., R. 19 E. | Glenn Howard           | Albert H. Miller       | 120                                       | 88           | 4                 | SA      | TC          | 1.0   | -----                                 | 63 R                                      | 1955                | ----             | D    |         |
| 957-223-2   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 6 S., R. 19 E. | C. L. Brown            | -----do-----           | 291                                       | 103          | 10                | F       | TCo         | .0  | 141 A                                 | 78.70<br>78.82                            | 11- 6-59<br>5-18-60 | ----             | Ir   | CP      |
| 957-224-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 6 S., R. 19 E. | J. S. Howard           | -----do-----           | 125                                       | -----        | 4                 | SA      | TC          | .5  | -----                                 | 73.62                                     | 11- 6-59            | ----             | D    |         |
| 957-225-1   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 6 S., R. 19 E. | U.S. Geological Survey | U.S. Geological Survey | 18  | 15           | 1 $\frac{1}{2}$   | W       | TC          | 2.0   | -----                                 | 4.37                                      | 4- 2-59             | 68               | O    |         |
| 957-226-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 6 S., R. 19 E. | A. S. Bielling         | J. J. Hare             | 147                                       | 86           | 6                 | F       | TC          | .5  | -----                                 | 60 R                                      | 1950                | ----             | D, S |         |
| 957-227-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 6 S., R. 18 E. | S. M. Brown            | -----do-----           | 330                                       | 125          | 10                | F       | TPB         | 1.0   | 132 A                                 | 88.49                                     | 5-20-60             | 72.3             | Ir   |         |
| 957-228-1   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 6 S., R. 18 E. | C. L. Glyatt           | -----do-----           | 25  | 25           | 1 $\frac{1}{2}$   | W       | TC          | .5  | -----                                 | 7 R                                       | 1955                | ----             | D    |         |
| 958-218-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 6 S., R. 20 E. | Seber Johns            | Green                  | 85  | 42           | 2                 | SA      | TC          | .5  | -----                                 | 22 R                                      | 9- -49              | ----             | D    |         |



| Well number | Location                         | Owner          | Driller          | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use  | Remarks |
|-------------|----------------------------------|----------------|------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|------|---------|
|             |                                  |                |                  |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |      |         |
|             |                                  |                |                  |   |              |                   |         |                 |   |                                       |   |                     |                  |      |         |
| 958-222-1   | NE1/4 sec. 14, T. 6 S., R. 19 E. | Harley Carlton | -----            | 10  | -----        | ----              | W       | TCb             | 2.4   | -----                                 | 6.27                                      | 10-21-58            | ----             | N    |         |
| 958-222-2   | -----do-----                     | -----do-----   | -----do-----     | 52  | -----        | 1k                | W       | TC              | 1.5   | -----                                 | 4.20                                      | 2- 5-60             | ----             | D    |         |
| 958-224-1   | NW1/4 sec. 15, T. 6 S., R. 19 E. | Canova Howard  | Albert H. Miller | 128                                       | 96           | 4                 | SA      | TC              | 1.0   | -----                                 | 68 R                                      | 10- -58             | ----             | D    |         |
| 958-225-1   | SE1/4 sec. 16, T. 6 S., R. 19 E. | G. L. Brown    | -----do-----     | 309                                       | 138          | 10                | F       | TC              | .5  | -----                                 | 89.87                                     | 11- 6-59            | ----             | Ir   |         |
| 958-227-1   | SW1/4 sec. 12, T. 6 S., R. 18 E. | Dewitt Brooks  | D. Brooks        | 30  | 30           | 1k                | W       | TC              | 3.0   | -----                                 | 3.5 R                                     | 1956                | ----             | D    |         |
| 958-229-1   | SW1/4 sec. 10, T. 6 S., R. 18 E. | J. D. Douglas  | Bub Williams     | 112                                       | 112          | 2                 | SA      | TC              | 1.5   | -----                                 | 107 R                                     | 1952                | ----             | D    |         |
| 958-229-2   | -----do-----                     | -----do-----   | J. D. Douglas    | 22  | 21           | 1k                | W       | TC              | .5  | -----                                 | 9 R                                       | 1948                | ----             | D, S |         |
| 958-230-1   | NW1/4 sec. 10, T. 6 S., R. 18 E. | A.M.E. Church  | -----do-----     | 15  | 15           | 1k                | W       | TC              | 2.5   | -----                                 | 9.04                                      | 2-11-59             | 65               | F    |         |
| 958-231-1   | NE1/4 sec. 17, T. 6 S., R. 18 E. | Ruby Williams  | Bub Williams     | 70  | 63           | 2                 | F       | TC              | 1.0   | -----                                 | 60 R                                      | 1953                | ----             | D    |         |
| 958-231-2   | SW1/4 sec. 8, T. 6 S., R. 18 E.  | Romeo Williams | -----do-----     | 90  | 84           | 2                 | F       | TC              | .5  | -----                                 | 60 R                                      | 1951                | ----             | D    |         |
| 958-233-1   | SE1/4 sec. 12, T. 6 S., R. 17 E. | A. L. Brown    | J. Wilhoit       | 205                                       | -----        | 4                 | F       | TF              | .7  | -----                                 | 50.80                                     | 8- 6-57             | ----             | D    |         |
| 959-216-4   | NE1/4 sec. 2, T. 6 S., R. 20 E.  | Frank Laffin   | D. Duke          | 60  | 42           | 2                 | SA      | TC              | .5  | -----                                 | 7 R                                       | 1945                | ----             | D    |         |
| 959-217-1   | NE1/4 sec. 10, T. 6 S., R. 20 E. | C. O. Welch    | -----do-----     | 225                                       | -----        | 6                 | F       | TC              | .0  | 116 A                                 | 51.02                                     | 11- 5-59            | 72               | Ir   |         |
| 959-217-2   | NE1/4 sec. 10, T. 6 S., R. 20 E. | -----do-----   | -----do-----     | 61  | -----        | 2                 | SA      | TC              | 1.5   | -----                                 | 40.94                                     | 11- 5-59            | ----             | D    |         |

| Well number | Location                         | Owner                   | Driller           | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use  | Remarks |    |
|-------------|----------------------------------|-------------------------|-------------------|---|--------------|-------------------|---------|---|---------------------------------------|---|---------------------|------------------|------|---------|----|
|             |                                  |                         |                   |   | Depth (feet) | Diameter (inches) |         | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |      |         |    |
| 959-217-3   | NW1/4 sec. 10, T. 6 S., R. 20 E. | C. O. Welch             | D. Duke           | 56  | 25           | 2                 | SA      | TC  | 0.5                                   | -----                                     | 16.54               | 11- 5-59         | ---- | D       |    |
| 959-220-1   | SE1/4 sec. 6, T. 6 S., R. 20 E.  | F. M. Duke              | Albert H. Miller  | 88  | 70           | 4                 | SA      | TC  | 1.0                                   | -----                                     | 30 R                | 1954             | ---- | D       |    |
| 959-224-1   | SW1/4 sec. 4, T. 6 S., R. 19 E.  | G. J. Waters            | G. J. Waters      | 87  | -----        | 1 1/2             | W       | TC  | .5                                    | -----                                     | 12 R                | 1953             | ---- | D       |    |
| 959-229-1   | SW1/4 sec. 12, T. 6 S., R. 18 E. | Eurie Brown             | Keen              | 264                                       | -----        | 4                 | F       | TC  | 1.0                                   | -----                                     | 120 R               | 1949             | ---- | D, S.   |    |
| 959-231-1   | SE1/4 sec. 5, T. 6 S., R. 18 E.  | Jessie E. Gay           | J. E. Gay         | 28  | 25           | 1 1/2             | W       | TC  | 3.0                                   | -----                                     | 14 R                | 1- 5-60          | ---- | D       |    |
| 959-233-1   | NE1/4 sec. 12, T. 6 S., R. 17 E. | Mrs. Smith Williams     | J. Wilhoit        | 106                                       | 80           | 4                 | F       | TC  | .5                                    | 129.73 EL                                 | 94.07               | 12-11-57         | ---- | D       |    |
| 959-233-2   | SW1/4 sec. 6, T. 6 S., R. 18 E.  | John Smith              | -----do-----      | 131                                       | 78           | 4                 | F       | TC  | .5                                    | -----                                     | 98                  | 12-10-57         | ---- | D       | CP |
| 000-220-1   | NE1/4 sec. 31, T. 5 S., R. 20 E. | Union County School Bd. | J. Wilhoit        | 265                                       | 84           | 4                 | F       | TC  | .0                                    | -----                                     | 74 R                | 9- -56           | ---- | P       |    |
| 000-220-2   | SE1/4 sec. 31, T. 5 S., R. 20 E. | C. C. Crawford          | B. Dekle          | 95  | -----        | 2                 | SA      | TC  | .5                                    | -----                                     | 30 R                | 1948             | ---- | D       |    |
| 000-226-1   | SW1/4 sec. 31, T. 5 S., R. 19 E. | Ray Crawford            | J. Green          | 108                                       | 86           | 2                 | SA      | TC  | 1.0                                   | -----                                     | 64 R                | 1945             | ---- | D, S    |    |
| 000-226-2   | NW1/4 sec. 31, T. 5 S., R. 19 E. | -----do-----            | -----do-----      | 69  | -----        | 2                 | SA      | TC  | 1.0                                   | -----                                     | 18.02               | 2-11-60          | ---- | N       |    |
| 000-227-1   | NW1/4 sec. 1, T. 6 S., R. 18 E.  | T. M. Crawford          | Acme Drilling Co. | 142                                       | 17           | 4                 | SA      | ----  | -----                                 | 149 A                                     | -----               | -----            | ---- | D       |    |
| 000-230-1   | NE1/4 sec. 4, T. 6 S., R. 18 E.  | Raleigh Beiling         | J. J. Hare        | 120                                       | 60           | 4                 | F       | TC  | .5                                    | -----                                     | 100 R               | 1952             | ---- | D       |    |
| 000-232-1   | NW1/4 sec. 5, T. 6 S., R. 18 E.  | Tanner                  | -----             | 15  | -----        | 1 1/2             | W       | TT  | .7                                    | 145.6 EL                                  | 3.35                | 12-11-57         | ---- | D       |    |

| Well number | Location                             | Owner                      | Driller              | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Measuring point |  |   | Water level                                     |                        | Temperature (°F) | Use   | Remarks  |
|-------------|--------------------------------------|----------------------------|----------------------|---|--------------|----------------------|---------|-----------------|--|---|---|------------------------|------------------|-------|----------|
|             |                                      |                            |                      |   | Depth (feet) | Diameter<br>(inches) |         | Description     | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (+) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |       |          |
|             |                                      |                            |                      |   |              |                      |         |                 |  |   |   |                        |                  |       |          |
| 000-232-2   | NW¼NW¼ sec. 32,<br>T. 5 S., R. 18 E. | Eula B. Harden             | Acme Drilling<br>Co. | 113   | ----         | 4                    | F       | TC              | 1.0  | -----                                       | 74.20   | 2/10/60                | ----             | D     |          |
| 000-232-3   | NW¼NW¼ sec. 5,<br>T. 6 S., R. 18 E.  | R. Tanner                  | J. Wilhoit           | 165   | 90           | 4                    | F       | TF              | 1.1  | 153 T                                       | 95<br>97.40                                     | 10-11-57<br>12- 9-58   | 74               | D     |          |
| 000-233-1   | NW¼NE¼ sec. 1,<br>T. 6 S., R. 17 E.  | C. M. Woodley              | Henderson            | 125   | 105          | 4                    | F       | TC              | .0   | -----                                       | 98 R  | 9-                     | -55              | ----  | D        |
| 001-219-1   | NE¼NE¼ sec. 31,<br>T. 5 S., R. 20 E. | City of Lake<br>Butler     | -----                | 357   | ----         | 12                   | F       | TPB             | 1.0  | -----                                       | 67.39   | 5-19-60                | ----             | F     |          |
| 001-219-2   | -----do-----                         | -----do-----               | -----                | 402   | 30           | 10                   | F       | TPB             | 1.0  | -----                                       | 60 R  | 1948                   | 72               | F     |          |
| 001-220-1   | NE¼SW¼ sec. 30,<br>T. 5 S., R. 20 E. | Arch Dobbs                 | D. Duke              | 71  | ----         | 2                    | SA      | TC              | 1.5  | -----                                       | 8.22  | 11- 5-59               | ----             | D     |          |
| 001-220-2   | SE¼SE¼ sec. 30,<br>T. 5 S.; R. 20 E. | G. W. Langley              | -----do-----         | 60  | 42           | 2                    | SA      | TC              | 1.0  | -----                                       | 10 R  | 11-                    | -58              | ----  | D        |
| 001-224-1   | NW¼NE¼ sec. 33,<br>T. 5 S., R. 19 E. | U.S. Geological<br>Survey  | Albert H. Miller     | 256   | 198          | 4                    | F       | L               | .0   | 156 A                                       | 90.85   | 9- 8-59                | 75               | O     | CF, E, G |
| 001-227-1   | SW¼NE¼ sec. 25,<br>T. 5 S., R. 18 E. | International<br>Paper Co. | -----                | 110   | 70           | 3                    | SA      | TC              | .0   | -----                                       | 90 R  | 9-                     | -50              | ----  | D        |
| 001-231-1   | SE¼SE¼ sec. 29,<br>T. 5 S., R. 18 E. | Odis Bielling              | Acme Drilling<br>Co. | 145   | 90           | 4                    | F       | TC              | 1.0  | 134 A                                       | 84.40   | 2-10-60                | ----             | D, S. |          |
| 001-231-2   | NW¼SW¼ sec. 28,<br>T. 5 S., R. 18 E. | W. E. Roberts              | Ben Smith            | 98  | 60           | 2                    | SA      | TC              | 2.0  | -----                                       | 65 R  | 3-                     | -58              | ----  | D        |
| 002-213-1   | NW¼NE¼ sec. 29,<br>T. 5 S., R. 21 E. | J. M. Conner               | R. Green             | 75  | 35           | 2                    | SA      | TC              | 1.0  | -----                                       | 6 R   | 9-                     | -59              | ----  | D        |
| 002-214-1   | SW¼NW¼ sec. 30,<br>T. 5 S., R. 21 E. | Mrs. Mary Mott             | -----                | 55  | 42           | 1½                   | W       | TC              | 1.5  | -----                                       | 5 R   | 1955                   | ----             | D     |          |
| 002-216-1   | NW¼SE¼ sec. 23,<br>T. 5 S., R. 20 E. | I. B. Harrison             | -----                | 99  | ----         | 1½                   | SA      | TC              | 1.5  | -----                                       | 11.33   | 11- 3-59               | ----             | N     |          |
| 002-216-2   | -----do-----                         | -----do-----               | -----                | .96   | ----         | 2                    | SA      | TC              | 1.0  | -----                                       | 10.12   | 11- 3-59               | ----             | N     |          |

| Well number | Location  | Owner                      | Driller                             | Depth of well,<br>in feet below<br>land surface | Casing       |                      | Aquifer | Description | Measuring point  |   | Water level                                     |                        | Temperature (°F) | Use | Remarks |
|-------------|---|----------------------------|-------------------------------------|---|--------------|----------------------|---------|-------------|--|---|---|------------------------|------------------|-----|---------|
|             |   |                            |                                     |   | Depth (feet) | Diameter<br>(inches) |         |             | Distance above<br>or below (-)<br>land surface<br>(feet) | Elevation above<br>mean sea level<br>(feet) | Above (°) or<br>below measuring<br>point (feet) | Date of<br>measurement |                  |     |         |
|             |   |                            |                                     |   |              |                      |         |             |  |   |   |                        |                  |     |         |
| 002-218-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21,<br>T. 5 S., R. 20 E. | U.S. Geological<br>Survey  | U.S. Soil Con-<br>servation Service | 26  | 23           | 1 $\frac{1}{2}$      | W       | TC          | 1.9  | -----                                       | 7.02  | 4- 2-59                | ----             | O   | CV      |
| 002-218-2   | NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21,<br>T. 5 S., R. 20 E. | Herman F. Hodges           | H. E. Hodges                        | 78  | 78           | 1 $\frac{1}{2}$      | SA      | TC          | .0   | -----                                       | 4 R   | 1952                   | ----             | D   |         |
| 002-218-3   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21,<br>T. 5 S., R. 20 E. | Herman Roberts             | D. Duke                             | 70  | 60           | 2                    | SA      | TC          | 1.0  | -----                                       | 7 R   | 10-25-59               | ----             | D   |         |
| 002-219-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29,<br>T. 5 S., R. 20 E. | Butler Hendricks           | B. Hendricks                        | 47  | 45           | 1 $\frac{1}{2}$      | W       | TC          | 1.5  | -----                                       | 16 R  | 1945                   | ----             | D   |         |
| 002-223-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22,<br>T. 5 S., R. 19 E. | Owen-Illinois<br>Glass Co. | D. Howell                           | 175   | -----        | 6                    | SA      | TC          | .0   | 146 A                                       | 83.51   | 11- 6-59               | ----             | W   |         |
| 002-230-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21,<br>T. 5 S., R. 18 E. | Leona Croft                | Acme Drilling<br>Co.                | 136   | -----        | 4                    | SA      | TC          | .5   | 132 A                                       | 81.85   | 2-10-59                | ----             | D   |         |
| 003-213-1   | SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17,<br>T. 5 S., R. 21 E. | Mrs. D. W.<br>Mattox       | L. Barton                           | 100   | 58           | 2                    | SA      | TC          | 1.5  | -----                                       | 20.5 R  | 10- 7-59               | ----             | D   |         |
| 003-214-1   | NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19,<br>T. 5 S., R. 21 E. | R. A. Reddish              | John Hunt                           | 53  | -----        | 1 $\frac{1}{2}$      | W       | TC          | 5.0  | -----                                       | 8.15  | 11- 3-59               | ----             | D   |         |
| 003-214-2   | NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18,<br>T. 5 S., R. 21 E. | Mrs. Nola Cason            | J. A. Burnett                       | 165   | 45           | 2                    | SA      | TC          | 1.0  | -----                                       | 8 R   | 1957                   | ---              | D   |         |
| 003-215-1   | NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24,<br>T. 5 S., R. 20 E. | M. D. Dobbs                | -----                               | 17  | 17           | 1 $\frac{1}{2}$      | W       | TC          | 1.8  | -----                                       | 6.85  | 5- 9-58                | ----             | P   |         |
| 003-219-1   | NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17,<br>T. 5 S., R. 20 E. | Johnny Arnold              | D. Duke                             | -----   | -----        | 2                    | SA      | TR          | 1.0  | 150 A                                       | 12.33   | 11- 4-59               | ----             | D   |         |
| 003-224-1   | NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16,<br>T. 5 S., R. 19 E. | Owen-Illinois<br>Glass Co. | Duval Drilling<br>Co.               | 396   | 70           | 8                    | F       | TC          | 1.5  | 132 A                                       | 71.42   | 7- 1-60                | 73               | Tr  |         |
| 003-229-1   | SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11,<br>T. 5 S., R. 18 E. | Royce Shaw                 | D. Dukes                            | 20  | 20           | 1 $\frac{1}{2}$      | W       | TC          | 1.5  | -----                                       | 7 R   | 1950                   | ----             | D   |         |
| 003-231-1   | SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17,<br>T. 5 S., R. 18 E. | D. H. Croft                | C. Allen                            | 25  | 20           | 1 $\frac{1}{2}$      | W       | TC          | .0   | -----                                       | 8 R   | 2-10-60                | ----             | D   |         |

| Well number | Location   | Owner                   | Driller                | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|--|-------------------------|------------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |  |                         |                        |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| 004-211-1   | SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec. 10, T. 5 S., R. 21 E. | Florida State Prison    | Duval Drilling Co.     | 612                                       | 281          | 12                | F       | ---             | ---   | ---                                   | 71.5                                      | 2-27-56             | ---              | F   | CF      |
| 004-211-2   | -----do-----   | -----do-----            | Ohio Well Drilling Co. | 518                                       | 195          | 12                | F       | ---             | ---   | ---                                   | ---                                       | ---                 | ---              | N   |         |
| 004-211-3   | NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 15, T. 5 S., R. 21 E. | -----do-----            | Stevens Southern Co.   | 430                                       | 288          | 12                | F       | TC              | 1.0   | 127.0 EL                              | 58.33                                     | 11- 4-40            | ---              | Ir  | CF      |
| 004-213-1   | SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec. 8, T. 5 S., R. 21 E.  | Florida Forest Service  | -----                  | 102                                       | 60           | 1 $\frac{1}{2}$   | SA      | L               | .0  | ---                                   | 4 R                                       | 1950                | ---              | D   |         |
| 004-214-1   | NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 18, T. 5 S., R. 21 E. | Hubert Bennett          | J. Burnett             | 96  | 70           | 2                 | SA      | TC              | .5  | ---                                   | 6 R                                       | 10- 8-45            | ---              | D   |         |
| 004-224-1   | NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec. 10, T. 5 S., R. 19 E. | Owen-Illinois Glass Co. | -----                  | 40  | 31           | 2                 | W       | TCo             | 1.0   | ---                                   | 10.01                                     | 2-11-60             | ---              | D   |         |
| 004-226-1   | NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 7, T. 5 S., R. 19 E.  | C. D. Winningham        | K. Glyatt              | 75  | 63           | 2                 | SA      | TC              | .5  | ---                                   | 8 R                                       | 7- -57              | ---              | D   |         |
| 004-227-1   | SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 6, T. 5 S., R. 19 E.  | Croft                   | J. Wilhoit             | 175                                       | 140          | 2                 | F       | TC              | .0  | ---                                   | 110 R                                     | 1955                | ---              | D   |         |
| 004-228-1   | NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 1, T. 5 S., R. 18 E.  | Mrs. Mary L. Courson    | Bradley                | 158                                       | ---          | 4                 | F       | TC              | 1.0   | 142 A                                 | 87.43                                     | 2- 5-60             | ---              | N   |         |
| 004-228-2   | SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec. 12, T. 5 S., R. 18 E. | H. C. Brannen           | -----                  | 18  | 15           | 1 $\frac{1}{2}$   | W       | TC              | 1.5   | ---                                   | 6.40                                      | 2- 8-60             | ---              | D   |         |
| 004-229-1   | NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 10, T. 5 S., R. 18 E. | New Zion Cemetery       | -----                  | 17  | 17           | 1 $\frac{1}{2}$   | W       | TC              | 2.5   | ---                                   | 8.28                                      | 4- 1-58             | 66               | F   |         |
| 004-230-1   | SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 3, T. 5 S., R. 18 E.  | Nelson D. Croft         | -----                  | 30  | 20           | 1 $\frac{1}{2}$   | W       | TC              | 1.0   | ---                                   | 12.15                                     | 2- 8-60             | ---              | D   |         |
| 005-222-1   | SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec. 1, T. 5 S., R. 19 E.  | Mt. Zion Cemetery       | -----                  | 35  | ---          | 1 $\frac{1}{2}$   | W       | TC              | 2.0   | ---                                   | 19.99                                     | 4- 1-58             | 67.3             | F   |         |
| 005-228-1   | NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> sec. 1, T. 5 S., R. 18 E.  | Douglas Cemetery        | -----                  | 38  | ---          | 1 $\frac{1}{2}$   | W       | TC              | 2.5   | ---                                   | 9.53                                      | 4- 1-58             | 66               | F   |         |

| Well number       | Location                         | Owner                      | Driller                         | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use  | Remarks |       |
|-------------------|----------------------------------|----------------------------|---------------------------------|---|--------------|-------------------|---------|---|---------------------------------------|---|---------------------|------------------|------|---------|-------|
|                   |                                  |                            |                                 |   | Depth (feet) | Diameter (inches) |         | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |      |         |       |
| 006-209-1         | NW1/4 sec. 36, T. 4 S., R. 21 E. | New River Methodist Church | -----                           | 51  | -----        | 2                 | W       | TC  | 3.0                                   | -----                                     | 7.41                | 11- 2-59         | ---- | F       |       |
| 006-212-1         | SE1/4 sec. 28, T. 4 S., R. 21 E. | Mrs. W. F. Rosier          | J. Burnett                      | 80  | 63           | 2                 | SA      | TC  | .0                                    | -----                                     | 10 R                | 6- -58           | ---- | D       |       |
| 006-215-1         | SE1/4 sec. 36, T. 4 S., R. 20 E. | M. W. Kitler               | -----do-----                    | 140                                       | 69           | 2                 | SA      | TC  | 1.0                                   | -----                                     | 54 R                | 8- -55           | ---- | D       |       |
| 007-209-1         | SW1/4 sec. 25, T. 4 S., R. 21 E. | Ruffin Griffis             | R. Griffis                      | 65  | 40           | 1 1/2             | SA      | TC  | 4.0                                   | -----                                     | 9 R                 | 1950             | ---- | D       |       |
| 007-210-1         | SE1/4 sec. 23, T. 4 S., R. 21 E. | W. H. Clayton              | J. A. Burnett                   | 62  | 48           | 2                 | SA      | TC  | .5                                    | -----                                     | 8 R                 | 7-29-59          | ---- | D       |       |
| 007-211-1         | NW1/4 sec. 27, T. 4 S., R. 21 E. | Carlos Rosier              | -----do-----                    | 180                                       | -----        | 2                 | SA      | TC  | .0                                    | -----                                     | 60 R                | 7- -58           | ---- | D       |       |
| 007-212-1         | NW1/4 sec. 28, T. 4 S., R. 21 E. | Malvin Harris              | -----do-----                    | 135                                       | 74           | 2                 | SA      | TC  | .0                                    | -----                                     | 35 R                | 11- -55          | ---- | D       |       |
| 007-222-1         | NW1/4 sec. 23, T. 4 S., R. 19 E. | U.S. Geological Survey     | Central Florida Well Drillers   | 724                                       | 694          | 8                 | F       | TC  | 2.95                                  | 155.75 EL                                 | 90.85               | 8-26-60          | 73   | O       | CF, E |
| 008-210-1         | SE1/4 sec. 23, T. 4 S., R. 21 E. | M. M. Griffis              | M. M. Griffis                   | 35  | 35           | 1 1/2             | W       | TC  | 1.5                                   | -----                                     | 4 R                 | 6- -52           | ---- | D       |       |
| ADJACENT COUNTIES |                                  |                            |                                 |   |              |                   |         |   |                                       |   |                     |                  |      |         |       |
| Baker County      |                                  |                            |                                 |   |              |                   |         |   |                                       |   |                     |                  |      |         |       |
| 009-227-1         | NW1/4 sec. 7, T. 4 S., R. 19 E.  | Oven-Illinois Glass Co.    | Fields and Randall Drilling Co. | 92  | -----        | 10                | SA      | TC  | 0.6                                   | 145.0 EL                                  | 85                  | 4-10-58          | ---- | OT      | E     |
| 014-208-1         | SW1/4 sec. 18 T. 3 S., R. 22 E.  | State of Florida           | -----                           | 650                                       | 600          | 8                 | F       | TE  | .8                                    | 137.37 EL                                 | 72.49               | 1-26-60          | ---- | F       |       |

| Well number  | Location                               | Owner            | Driller              | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Measuring point |   |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |    |
|--------------|--|------------------|----------------------|---|--------------|-------------------|---------|-----------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|----|
|              |  |                  |                      |   | Depth (feet) | Diameter (inches) |         | Description     | Distance above or below (-) land surfacd (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |    |
| Duval County |  |                  |                      |   |              |                   |         |                 |   |                                       |   |                     |                  |       |         |    |
| 011-146-1    | NW¼SE¼ sec. 35, T. 3 S., R. 25 E.      | J. H. Stanley    | M. W. Trout          | 220                                       | 185          | 2                 | F       | L               | 0.0   | 13 T                                  | +5.9                                      | 1-26-60             | 72               | D, Ir |         |    |
| 011-146-2    | -----do-----                           | L. D. Skinner    | Miller               | 190                                       | -----        | 2                 | F       | L               | .0  | 13 T                                  | +6.47                                     | 1-26-60             | 71               | D, Ir |         |    |
| 012-141-1    | NE¼NE¼ sec. 44, T. 3 S., R. 26 E.      | Jacksonville NAS | Stevens Southern Co. | 646                                       | 271          | 12                | F       | ---             | -----   | -----                                 | -----                                     | -----               | -----            | ---   | P       |    |
| 012-142-1    | NW¼NW¼ sec. 44, T. 3 S., R. 26 E.      | -----do-----     | -----do-----         | 1,096                                     | 316          | 10                | F       | L               | .0  | 20 T                                  | +27.98 R                                  | 7- -50              | -----            | ---   | P       |    |
| 013-140-1    | Land grant, sec. 23, T. 3 S., R. 26 E. | -----do-----     | -----do-----         | 708                                       | 463          | 8                 | F       | ---             | -----   | -----                                 | -----                                     | -----               | -----            | ---   | N       |    |
| 013-140-2    | -----do-----                           | -----do-----     | Stevens Southern Co. | 1,005                                     | 380          | 12                | F       | L               | .0  | 9.25 EL                               | +43.7 R                                   | 8- -40              | 80.5             | P     |         |    |
| 013-140-3    | -----do-----                           | -----do-----     | -----do-----         | 998                                       | 464          | 12                | F       | L               | .0  | -----                                 | +45.88 R                                  | 7- -50              | 82               | P     |         |    |
| 013-141-1    | Land grant, sec. 39, T. 3 S., R. 26 E. | -----do-----     | -----do-----         | 1,015                                     | 318          | 12                | F       | L               | .0  | 20.82 EL                              | +46.62 R                                  | 7- -50              | -----            | ---   | P       | CF |
| 013-142-1    | SE¼SE¼ sec. 42, T. 3 S., R. 26 E.      | -----do-----     | -----do-----         | 988                                       | 400          | 12                | F       | L               | .0  | 15.5 EL                               | +50.92 R                                  | 7- -50              | -----            | ---   | P       | CF |
| 013-153-1    | SW¼NE¼ sec. 22, T. 3 S., R. 24 E.      | -----do-----     | -----do-----         | 990                                       | 433          | 10                | F       | L               | .0  | 80.02 EL                              | 17.23 R                                   | 5- -41              | -----            | ---   | P       | CF |
| 013-153-2    | NE¼NE¼ sec. 22, T. 3 S., R. 24 E.      | -----do-----     | Duval Drilling Co.   | 950                                       | 450          | 10                | F       | L               | .0  | 75 T                                  | 33 R                                      | -----               | -----            | ---   | P       |    |
| 013-153-3    | SE¼NE¼ sec. 22, T. 3 S., R. 24 E.      | -----do-----     | Stevens Southern Co. | 887                                       | 400          | 10                | F       | L               | .0  | 80 T                                  | 31 R                                      | -----               | -----            | ---   | P       |    |
| 014-152-1    | SW¼SW¼ sec. 14, T. 3 S., R. 24 E.      | -----do-----     | Duval Drilling Co.   | -----                                     | -----        | -----             | ?       | ---             | -----   | -----                                 | -----                                     | -----               | 77.2             | P     |         |    |

| Well number | Location                          | Owner            | Driller                | Depth of well, in feet below land surface | Casing       |                   |         | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use | Remarks |
|-------------|-----------------------------------|------------------|------------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-----|---------|
|             |                                   |                  |                        |   | Depth (feet) | Diameter (inches) | Aquifer |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |     |         |
| 014-152-2   | NE¼SE¼ sec. 15, T. 3 S., R. 24 E. | Jacksonville MAS | Gray Well and Pump Co. | 1,303                                     | 485          | 12                | F       | L           | 0.0   | 80 T                                  | 28 R                                      | -----               | 78.3             | F   |         |
| 014-153-1   | SE¼SW¼ sec. 10, T. 3 S., R. 24 E. | -----do-----     | Stevens Southern Co.   | 780                                       | 440          | 10                | F       | ----        | -----   | 79.6 EL                               | -----                                     | -----               | ----             | N   | CF      |
| 014-153-2   | -----do-----                      | -----do-----     | -----do-----           | 82  | 467          | 10                | F       | TC          | 1.07  | 83 T                                  | 25.77                                     | 1-23-59             | ----             | N   |         |

Gilchrist County

|           |                                    |             |                           |     |     |   |   |    |     |          |      |         |      |   |  |
|-----------|------------------------------------|-------------|---------------------------|-----|-----|---|---|----|-----|----------|------|---------|------|---|--|
| 936-243-1 | SE¼NE¼ sec. 20, T. 10 S., R. 16 E. | W. M. White | Gainesville Equipment Co. | 327 | 325 | 4 | F | TC | 1.0 | 72.54 EL | 5.63 | 4-22-58 | ---- | D |  |
|-----------|------------------------------------|-------------|---------------------------|-----|-----|---|---|----|-----|----------|------|---------|------|---|--|

Levy County

|           |                                    |                        |                        |   |   |    |     |    |     |          |      |          |      |     |  |
|-----------|------------------------------------|------------------------|------------------------|---|---|----|-----|----|-----|----------|------|----------|------|-----|--|
| 926-230-1 | SW¼NW¼ sec. 15, T. 12 S., R. 18 E. | U.S. Geological Survey | U.S. Geological Survey | 7 | 5 | 1½ | --- | TC | 0.0 | 55.3 EL  | 5.92 | 10-23-58 | ---- | --- |  |
| 930-233-1 | SW¼SE¼ sec. 24, T. 17 S., R. 14 E. | M. E. Hairs            | -----do-----           | 7 | 5 | 1½ | --- | TC | 1.5 | 43.33 EL | 3.43 | 2-10-58  | 56   | O   |  |

Putnam County

|           |                                    |                        |                               |     |       |    |    |     |     |          |       |          |      |     |    |
|-----------|------------------------------------|------------------------|-------------------------------|-----|-------|----|----|-----|-----|----------|-------|----------|------|-----|----|
| 934-15g-1 | SE¼NE¼ sec. 34, T. 10 S., R. 23 E. | G. W. Lee              | Gainesville Equipment Co.     | 261 | 207   | 4  | F  | L   | 0.0 | 90.85 EL | 9     | 2- 5-58  | ---- | D   |    |
| 939-202-1 | SE¼NW¼ sec. 6, T. 10 S., R. 23 E.  | T. J. Tyler            | S. Jordan                     | 83  | 80    | 2  | SA | TC  | 1.0 | 159 T    | 26 R  | 1948     | ---- | D   |    |
| 942-200-1 | NE¼SE¼ sec. 8, T. 9 S., R. 23 E.   | Lake Rosa Community    | -----do-----                  | 129 | ----- | 10 | F  | TC  | .2  | 99.61 EL | 10.65 | 2- 6-56  | ---- | --- |    |
| 942-200-3 | NE¼NE¼ sec. 17, T. 9 S., R. 23 E.  | U.S. Geological Survey | Central Florida Well Drillers | 54  | 41    | 6  | W  | TCO | 3.0 | -----    | 37.45 | 12-30-58 | ---- | O   | CF |



| Well number | Location   | Owner                     | Driller            | Depth of well, in feet below land surface | Casing       |                   | Aquifer | Description | Measuring point                                 |                                       | Water level                               |                     | Temperature (°F) | Use   | Remarks |
|-------------|--|---------------------------|--------------------|---|--------------|-------------------|---------|-------------|---|---------------------------------------|---|---------------------|------------------|-------|---------|
|             |  |                           |                    |   | Depth (feet) | Diameter (inches) |         |             | Distance above or below (-) land surface (feet) | Elevation above mean sea level (feet) | Above (+) or below measuring point (feet) | Date of measurement |                  |       |         |
|             |  |                           |                    |   |              |                   |         |             |   |                                       |   |                     |                  |       |         |
| 942-202-1   | NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec. 13, T. 9 S., R. 22 E. | Archie Yoeman             | S. Jordan          | 175                                       | 84           | 2                 | F       | TC          | .0  | -----                                 | 60 R                                      | -----               | ----             | D, Ir |         |
| 942-202-2   | SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> sec. 18, T. 9 S., R. 23 E. | W. R. Campbell            | -----              | 30  | -----        | 1 $\frac{1}{2}$   | W       | TC          | 1.5   | -----                                 | 15.76                                     | 7-28-59             | ----             | N     |         |
| 943-152-1   | NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 10, T. 9 S., R. 24 E. | Gene Wise                 | F. Sikes           | 151                                       | -----        | 3                 | SA      | TC          | .3  | 124.89 EL                             | 43.63                                     | 9-17-59             | ----             | N     | E       |
| 944-157-2   | NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 1, T. 9 S., R. 23 E.  | Abeline Baptist Church    | E. McGollie        | 119                                       | 80           | 2                 | SA      | TC          | .3  | 110 T                                 | 32 R                                      | 6- -58              | ----             | F     |         |
| 945-142-1   | SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> sec. 33, T. 8 S., R. 26 E. | Hudson Pulp and Paper Co. | Layne-Atlantic Co. | 700                                       | 174          | 12                | F       | L           | .0  | -----                                 | 27 R                                      | 4-28-56             | ----             | Id    | CF, E   |
| 950-137-1   | NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> sec. 5, T. 8 S., R. 27 E.  | E. J. Hickey              | -----              | 241                                       | 96           | 3                 | F       | TB          | 2   | 14 A                                  | +17.8                                     | 2-15-60             | 76               | S     | E       |

Table 4. Geologic Logs of Selected Wells

The geologic names used in this report conform to the usage of the Florida Geological Survey and also, except for the Choctawhatchee Formation and the Ocala Group and its subdivisions, with those of the U.S. Geological Survey. Numbers preceded by W are Florida Geological Survey well numbers.

Alachua County  
Well 936-236-1  
(W-4929)

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Older Pleistocene terrace deposits:</b>  |  |
| No sample . . . . .   | 0 - 12                                       |
| Sand, tan to light-yellow, fine . . . . .   | 12 - 14                                      |
| <b>Alachua Formation:</b>   |  |
| Clay, gray, sandy . . . . .   | 14 - 20                                      |
| Clay, reddish, sandy; white limestone . . . . .   | 20 - 30                                      |
| Sand, tan, fine; dark-blue clay . . . . .   | 30 - 35                                      |
| Clay, yellow, sandy; fine sand layers . . . . .   | 35 - 38                                      |
| Clay, reddish, sandy . . . . .  | 38 - 42                                      |
| <b>Ocala Group:</b>   |  |
| Limestone, white, soft coquina; foraminifers; clay . . . . .  | 42 - 44                                      |
| Limestone, cream-colored, sandy, coquina; foraminifers . . . . .                                    | 44 - 49                                      |
| As above, but white to light-gray . . . . .   | 49 - 53                                      |
| As above, but cream-colored . . . . .   | 53 - 64                                      |
| As above, but white to light-gray and softer . . . . .  | 64 - 72                                      |
| As above, plus some hard dense, tan limestone . . . . .   | 72 - 74                                      |
| No sample . . . . .   | 74 - 83                                      |
| Limestone, yellow to tan, hard; foraminifers; sand, tan fine . . . . .                              | 83 - 107                                     |
| As above, very little sand . . . . .  | 107 - 112                                    |
| As above, light-gray, hard; clay, yellow . . . . .  | 112 - 117                                    |
| As above, tan; clay with white, quartz sand; limonite . . . . .                                     | 117 - 122                                    |
| <b>Avon Park Limestone:</b>   |  |
| Limestone, tan, dolomitic; foraminifers; limonite; sand, white, quartz, fine . . . . .              | 122 - 127                                    |
| Dolomite, brown, sugary textured; foraminifers; limonite; clay; sand, white, quartz, fine . . . . . | 127 - 142                                    |
| As above, but soft and crumbly . . . . .  | 142 - 151                                    |
| Cavity . . . . .  | 151 - 152                                    |
| Dolomite, brown, calcareous; foraminifers; sand, white, fine . . . . .                              | 152 - 162                                    |
| As above, but less clay and sand and porous. Few foraminifers.                                      | 162 - 222                                    |
| <b>Lake City Limestone:</b>   |  |
| Limestone, grayish-green and tan, hard, dolomitic . . . . .   | 222 - 232                                    |
| As above, porous, and fossiliferous . . . . .   | 232 - 242                                    |
| As above, but with dense gray limestone . . . . .   | 242 - 247                                    |
| As above, but no fossils . . . . .  | 247 - 252                                    |

Bradford County  
Well 950-213-1  
(W-5180)

|  |         |
|--|---------|
| <b>Older Pleistocene terrace deposits:</b>   |         |
| Sand, black, organic . . . . .   | 0 - 0.5 |
| Clay, yellow, soft, sandy; some gray and red sandy clay . . . . .  | 0.5 - 9 |
| Sand, tan, clayey; gray sandy clay balls . . . . .   | 9 - 12  |
| <b>Hawthorn Formation:</b>   |         |
| Clay, light-gray, medium hard, sandy; thin sandstone layers . . . . .  | 12 - 15 |
| Sand, light-gray, clayey; some medium hard gray sandy clay . . . . .   | 15 - 18 |
| Sand, tan, clayey; sandstone layers . . . . .  | 18 - 28 |
| As above, no sandstone layers . . . . .  | 28 - 30 |
| As above, some black phosphorite . . . . .   | 30 - 35 |
| Clay, yellow and gray, medium hard, sandy; some clayey sand or clay silt; black phosphorite grains; shark's teeth and few fossil molds . . . . . | 35 - 38 |
| Sand, olive-drab, clayey; abundant phosphorite; tan and yellow limestone; fossil molds and casts . . . . .                                       | 38 - 47 |
| As above, phosphorite pebbles . . . . .  | 47 - 58 |
| As above, with light-gray to white limestone fragments . . . . .   | 58 - 63 |
| Limestone, light-gray to white; phosphorite grains and pebbles; hard gray and yellow calcareous clay; fossil molds . . . . .                     | 63 - 65 |

Table 4.--Continued

## Well 950-213-1--Continued

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Hawthorn Formation--Continued</b>  |  |
| Limestone, light-gray, dense; some phosphatic sandy limestone; a little gray calcareous clay . . . . .  | 65 - 68                                      |
| Limestone, light-gray, sandy; a few phosphorite grains . . . . .  | 68 - 73                                      |
| Limestone, gray, sandy; limestone, gray, dense; limestone grayish-green, silicified; some phosphorite grains . . . . .  | 73 - 78                                      |
| Limestone, grayish-green, siliceous, dolomitic; some light-gray sandy limestone . . . . .   | 78 - 88                                      |
| Limestone, light-gray, sandy, phosphatic; phosphorite grains and pebbles . . . . .  | 88 - 102                                     |
| Limestone, grayish-green, siliceous, dolomitic . . . . .  | 102 - 110                                    |
| As above, some light-gray limestone; phosphorite; a little calcareous clay . . . . .  | 110 - 122                                    |
| Clay, grayish-green, hard, sandy; some gray limestone; some green dolomite . . . . .  | 122 - 123                                    |
| Clay, gray, medium hard; interbedded light gray limestone; gray dolomite; some shell . . . . .  | 123 - 125                                    |
| Limestone, white to light-gray; shell, <i>Ostrea saliformis</i> ; some sandy phosphatic limestone; gray sandy calcareous clay; green shale . . . . .                                    | 125 - 133                                    |
| Limestone, dark-gray to brown, dolomitic; some sandy limestone. Sand, fine to medium; gray, brown, and greenish-gray limestone; dolomitic limestone; phosphorite grains; clay . . . . . | 133 - 138                                    |
| Clay, gray,, soft, sandy, calcareous; thin limestone beds; phosphorite grains . . . . .   | 138 - 149                                    |
| Clay, gray; soft, sandy, calcareous; thin limestone beds; phosphorite grains . . . . .  | 149 - 159                                    |
| Limestone, dark-gray to brown, hard, dolomitic; light-gray limestone; grayish-green dolomite; fine to medium quartz sand; black phosphorite grains; some gray sandy clay . . . . .      | 159 - 166                                    |
| <b>Ocala Group:</b>   |  |
| Limestone, gray to brown; white limestone; foraminifers . . . . .   | 166 - 176                                    |
| Limestone, light-gray to cream-colored, fossiliferous . . . . .   | 176 - 189                                    |
| Limestone, dark-gray or brown; light-gray coquina limestone; fine to medium quartz sand and some black phosphorite grains. . . . .  | 189 - 207                                    |
| Well 952-204-1<br>(W-5239)  |  |
| <b>Older Pleistocene terrace deposits:</b>  |  |
| Clay, tan; fine sand . . . . .  | 0 - 5  |
| Clay, light-gray; fine sand . . . . .   | 5 - 20                                       |
| Clay, gray to orange to brown; fine sand . . . . .  | 20 - 23                                      |
| Clay, brown to orange; medium to fine sand . . . . .  | 23 - 28                                      |
| Sand, brown, fine to coarse; some heavy mineral grains . . . . .  | 28 - 38                                      |
| Clay, gray; fine to coarse sand; some heavy mineral grains . . . . .  | 38 - 43                                      |
| As above, plus some orange and yellow sandy clay . . . . .  | 43 - 48                                      |
| <b>Choctawhatchee Formation:</b>  |  |
| Clay, gray; fine sand; some heavy mineral grains . . . . .  | 48 - 56                                      |
| As above, plus white limestone fragments and yellow marl . . . . .  | 56 - 60                                      |
| Sand, gray, fine; black phosphorite grains; yellow marl, indurated in part; thin limestone lenses, few fossil molds and casts . . . . .   | 60 - 64                                      |
| Clay, gray; fine gray sand; yellow marl, indurated in part; fossil molds and casts; phosphorite . . . . .   | 64 - 68                                      |
| <b>Hawthorn Formation:</b>  |  |
| Clay, gray; fine gray sand; thin limestone layers; abundant grains of black phosphorite . . . . .   | 68 - 81                                      |
| Clay, gray; coarse sand; limestone fragments; black phosphorite rock fragments . . . . .  | 81 - 96                                      |
| Clay, greenish-gray; fine to coarse gray sand; black phosphorite grains; some limestone fragments . . . . .   | 96 - 116                                     |
| As above, plus black phosphorite gravel . . . . .   | 116 - 120                                    |
| Clay, greenish-gray; sand; black phosphorite sand; white limestone fragments . . . . .  | 120 - 124                                    |
| As above, plus hard limestone layer . . . . .   | 124 - 128                                    |

## Well 952-204-1--Continued

| <u>Material</u>  | <u>Depth, in feet<br/>below land surface</u> |
|--|--|
| <b>Hawthorn Formation--Continued</b>   |  |
| As above, but with less hard limestone . . . . .   | 128 - 135                                    |
| As above, plus coarse sand . . . . .   | 135 - 137                                    |
| Clay, greenish-gray; coarse sand; black phosphorite gravel;<br>fragments of sandy limestone . . . . .  | 137 - 147                                    |
| Clay, greenish-gray, dense; black phosphorite grains; some sand;<br>some limestone fragments . . . . .   | 147 - 152                                    |
| Clay, white; fine to coarse white sand; lumps of green clay . .  | 152 - 157                                    |
| Sand, white, fine to coarse; black phosphorite grains; limestone<br>fragments; rounded sandstone gravel; oyster shell . . . . .                        | 157 - 159                                    |
| Sand, white; black phosphorite grains; limestone fragments; some<br>clay . . . . .   | 159 - 168                                    |
| As above, plus brown clay . . . . .  | 168 - 175                                    |
| Clay, brown, dense; fine white sand; black phosphorite grains .  | 175 - 179                                    |
| As above, increase in sand; small limestone fragments . . . . .  | 179 - 182                                    |
| Sand, white, fine to coarse; black phosphorite grains . . . . .  | 182 - 183                                    |
| As above, plus sandstone fragments; hard gray limestone frag-<br>ments . . . . .   | 183 - 184                                    |
| Clay, brown; fine to medium coarse; black phosphorite sand;<br>gray limestone fragments . . . . .  | 184 - 196                                    |
| Clay, dark-gray; fine to coarse sand; black phosphorite grains.  | 196 - 202                                    |
| Clay, greenish-gray; medium fine to coarse sand; fine black<br>phosphorite grains . . . . .  | 202 - 205                                    |
| As above, plus white and gray limestone fragments . . . . .  | 205 - 208                                    |
| Limestone, gray, hard, dolomitic in part; black phosphorite<br>gravel; brown clay . . . . .  | 208 - 210                                    |
| Clay, brown; medium fine to coarse white sand; gray limestone<br>fragments; black phosphorite sand and gravel . . . . .                                | 210 - 214                                    |
| As above, plus dolomitic fragments . . . . .   | 214 - 219                                    |
| Limestone, gray and white; black phosphorite gravel; fine to<br>coarse sand . . . . .  | 219 - 229                                    |
| <b>Ocala Group:</b>  |  |
| Limestone, white, soft; foraminifera; black phosphorite sand .   | 229 - 239                                    |
| As above, plus medium to very coarse white sand; shell frag-<br>ments . . . . .  | 239 - 254                                    |
| As above, only finer sand and phosphorite . . . . .  | 254 - 259                                    |
| Limestone, white, fragments; fine white sand; fine black phos-<br>phorite; some shell . . . . .  | 259 - 264                                    |
| Limestone, brown, dolomitic; white limestone fragments; fine<br>sand; black phosphorite sand . . . . .   | 264 - 269                                    |
| Limestone, white; fine white sand; fine black phosphorite sand;<br>some shell fragments . . . . .  | 269 - 284                                    |
| <b>Well 000-210-2<br/>(W-5187)</b>   |  |
| <b>Older Pleistocene terrace deposits:</b>   |  |
| Sand, black, organic . . . . .   | 0 - 0.7                                      |
| Sand, white, fine . . . . .  | 0.7 - 4                                      |
| Clay, gray to red; sand . . . . .  | 4 - 5  |
| Clay, gray, tough; fine pink clayey sand . . . . .   | 5 - 10                                       |
| Sand, pink, fine; clay . . . . .   | 10 - 19                                      |
| Sand, tan, fine; clay . . . . .  | 19 - 24                                      |
| <b>Choctawhatchee Formation:</b>   |  |
| Sand, yellow, fine; clayey; yellow marl, partly indurated; some<br>black and brown phosphorite; fossil molds and casts . . . . .                       | 24 - 28                                      |
| As above, plus thin limestone layers . . . . .   | 28 - 34                                      |
| Clay, tan, sandy, phosphatic; yellow marl; tan sandy phosphatic<br>limestone; black and red phosphorite grains and nodules;<br>shark's teeth . . . . . | 34 - 47                                      |
| As above, plus abundant brown pebble size phosphorite; dwarf<br>mollusk shells . . . . .   | 47 - 54                                      |

Table 4.--Continued

## Well 000-210-2--Continued

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Hawthorn Formation:</b>  |  |
| Limestone, white and yellow; gray phosphatic clay; abundant black phosphorite . . . . .   | 54 - 65                                      |
| Clay, gray, soft; sand; phosphorite; thin white limestone and sandy limestone beds . . . . .  | 65 - 76                                      |
| As above, plus increase in limestone layers . . . . .   | 76 - 90                                      |
| Limestone, white and yellow, small fragments; black phosphorite; some sand . . . . .  | 90 - 96                                      |
| Limestone, gray, sandy; gray, calcareous, phosphatic sandstone; yellow and white limestone; clear quartz sand . . . . .   | 96 - 130                                     |
| Sand, clear, fine to medium, quartz; grains and pebbles of phosphorite; sandy phosphatic clay; some tan to gray sandy phosphatic limestone . . . . .  | 130 - 147                                    |
| Clay, gray, calcareous, phosphatic; sand . . . . .  | 147 - 152                                    |
| Limestone, light-gray, sandy, phosphatic; light-gray, calcareous, phosphatic sandstone; some light-gray sandy, phosphatic clay. Sandstone, gray, soft, calcareous, phosphatic; some dense gray hard limestone; fine to medium quartz sand . . . . . | 152 - 157                                    |
| Clay, gray, soft, calcareous, phosphatic, sandy; gray phosphatic limestone; gray, calcareous, phosphatic, sandstone . . . . .   | 157 - 162                                    |
| Sand, gray, fine to medium, clayey; some gray, sandy, phosphatic clay; black and amber phosphorite grains . . . . .   | 162 - 171                                    |
| Sand, white and light-gray, clayey, phosphatic; thin beds of light-gray limestone; some dark-gray to brown, sandy clay; phosphorite . . . . .   | 171 - 196                                    |
| Clay, dark-gray, tough; sandy phosphatic clay . . . . .   | 196 - 220                                    |
| Clay, light to dark-gray; phosphorite; sand . . . . .   | 220 - 223                                    |
| As above, plus shell fragments and white limestone fragments . . . . .  | 223 - 225                                    |
| As above, plus some sand and tan, dolomitic limestone . . . . .   | 225 - 232                                    |
| Sand, very coarse, subangular to subrounded, quartz; brown phosphorite grains; green clay; fragments of white limestone and dolomitic limestone . . . . .   | 232 - 239                                    |
| Limestone, brown, dense, dolomitic; medium to coarse quartz sand; phosphorite grains; green sandy clay . . . . .  | 239 - 242                                    |
| Sand, coarse; brown, black, and amber phosphorite; some dolomitic limestone . . . . .   | 242 - 248                                    |
| Clay, tan; sand; phosphorite; some limestone fragments . . . . .  | 248 - 251                                    |
| Sand, fine to medium; hard, tan and brown dolomitic limestone . . . . .   | 251 - 254                                    |
|   | 254 - 259                                    |
| <b>Ocala Group:</b>   |  |
| Limestone, brown, dolomitic; fine to coarse quartz sand . . . . .   | 259 - 266                                    |
| Limestone, light gray to cream-colored, fossiliferous; foraminifera . . . . .   | 266 - 276                                    |
| As above, largely a coquina . . . . .   | 276 - 294                                    |
| <b>Clay County<br/>Well 943-202-3<br/>(W-5331)</b>  |  |
| <b>Older Pleistocene terrace deposits:</b>  |  |
| Sand, brown, fine to medium; white sandy clay; organic material . . . . .   | 0 - 21                                       |
| Clay, brownish-gray; fine sand . . . . .  | 21 - 24                                      |
| Clay, gray, dense; fine sand . . . . .  | 24 - 26                                      |
| As above, with increase in sand; limonite . . . . .   | 26 - 29                                      |
| Sand, dark-brown to white, fine; some clay . . . . .  | 29 - 34                                      |
| Clay, light-gray; very fine sand . . . . .  | 34 - 44                                      |
| <b>Unnamed coarse clastics:</b>   |  |
| Sand, white, fine; black organic material; some clay . . . . .  | 44 - 49                                      |
| Clay, light-gray, heavy; fine sand and clayey sand . . . . .  | 49 - 54                                      |
| As above, plus streaks of orange sandy clay . . . . .   | 54 - 57                                      |
| Sand, white, fine to coarse; light-gray clay . . . . .  | 57 - 62                                      |
| As above, plus heavy mineral . . . . .  | 62 - 79                                      |
| Sand, white to clear, medium to very coarse; some clay . . . . .  | 79 - 82                                      |
| Sand, gray, medium to coarse; some clay . . . . .   | 82 - 90                                      |

Table 4.--Continued

## Well 943-202-3--Continued

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Choctawhatchee Formation:</b>  |  |
| Clay, gray; fine sand; fine to medium black phosphorite sand;<br>tan and yellow marl . . . . .  | 90 - 93                                      |
| As above, plus white limestone fragments . . . . .  | 93 - 98                                      |
| Clay, light-gray; fine sand; black phosphorite sand and gravel;<br>gray limestone fragments; shark's teeth; few fossil molds and<br>casts . . . . .                                       | 98 - 114                                     |
| <b>Hawthorn Formation:</b>  |  |
| Clay, green; black phosphorite sand and gravel; some fine quartz<br>sand; grayish-brown limestone fragments . . . . .   | 114 - 129                                    |
| Clay, greenish-gray; white sandy limestone; hard, gray, cherty,<br>limestone pebbles; black and brown phosphorite sand and<br>gravel . . . . .  | 129 - 134                                    |
| Clay, dark-brown; fine sand; black and brown phosphorite sand<br>and gravel; white sandy limestone fragments . . . . .  | 134 - 139                                    |
| As above, plus some dolomitic limestone fragments and gray lime-<br>stone fragments . . . . .   | 139 - 143                                    |
| Sand, white, fine to coarse; black and brown phosphorite sand<br>and gravel; brown and white limestone fragments; chert<br>nodules; some green clay; some white shell fragments . . . . . | 143 - 144                                    |
| Clay, gray, sand; black and brown phosphorite sand and gravel;<br>white limestone fragments . . . . .   | 144 - 146                                    |
| As above, plus fine shell . . . . .   | 146 - 147                                    |
| As above, plus hard gray limestone fragments . . . . .  | 147 - 159                                    |
| Clay, gray; black phosphorite pebbles . . . . .   | 159 - 169                                    |
| Phosphorite, black, brown, and amber, gravel . . . . .  | 169 - 174                                    |
| Limestone, gray and tan, hard, dense, dolomitic; gray clay . . . . .  | 174 - 194                                    |
| <b>Ocala Group:</b>   |  |
| Limestone, white to gray, fragments; shell . . . . .  | 194 - 204                                    |
| Limestone, white, fossiliferous; gray dolomitic limestone frag-<br>ments; fine black phosphorite . . . . .  | 204 - 217                                    |
| Limestone, white, fine; foraminifers . . . . .  | 217 - 259                                    |
| Well 945-201-2<br>(W-5317)  |  |
| <b>Older Pleistocene terrace deposits:</b>  |  |
| Sand, light-gray, fine, quartz; organic material; some clay . . . . .   | 0 - 15                                       |
| <b>Unnamed coarse clastics:</b>   |  |
| Clay, light-gray to white; fine to medium quartz sand . . . . .   | 15 - 21                                      |
| Clay, white; fine to medium quartz . . . . .  | 21 - 34                                      |
| Sand, light-gray, medium to coarse; clay . . . . .  | 34 - 36                                      |
| Sand, orange, medium to coarse; clay . . . . .  | 36 - 38                                      |
| <b>Choctawhatchee Formation:</b>  |  |
| Clay, yellow-orange, sandy, heavy; yellow marl; thin limestones,<br>phosphorite; shell impressions . . . . .  | 38 - 45                                      |
| As above, plus black phosphorite gravel . . . . .   | 45 - 48                                      |
| <b>Hawthorn Formation:</b>  |  |
| Clay, greenish-gray; medium to coarse sand; phosphorite sand and<br>coarse gravel; white, hard, silicified limestone stained with<br>iron . . . . .                                       | 48 - 56                                      |
| Clay, gray; medium sand; black phosphorite sand and gravel . . . . .  | 56 - 57                                      |
| As above, plus hard gray limestone fragments . . . . .  | 57 - 67                                      |
| As above, plus white limestone fragments . . . . .  | 67 - 71                                      |
| As above, plus sandy limestone fragments . . . . .  | 71 - 74                                      |
| Clay, greenish-gray; black phosphorite sand . . . . .   | 74 - 77                                      |
| Clay, dark-gray; fine black phosphorite grains; some fine quartz<br>sand . . . . .  | 77 - 82                                      |
| Clay, light greenish-gray; some fine black phosphorite sand; some<br>fine quartz sand . . . . .   | 82 - 88                                      |
| Phosphorite, black, gravel; light-gray limestone fragments;<br>greenish-gray clay . . . . .   | 88 - 90                                      |

Table 4.--Continued

## Well 945-201-2--Continued

| <u>Material</u>  | <u>Depth, in feet<br/>below land surface</u> |
|--|--|
| <b>Hawthorn Formation--Continued</b>   |  |
| Limestone; black phosphorite sand and gravel; light-gray clay . . . . .  | 90 - 95                                      |
| Sand, white, coarse; black phosphorite gravel; clay . . . . .  | 95 - 106                                     |
| Sand, white; fine to medium; amber and brown phosphorite grains and pebbles . . . . .  | 106 - 108                                    |
| As above, plus light-brown heavy clay . . . . .  | 108 - 113                                    |
| As above, plus light cream-colored limestone fragments . . . . .   | 113 - 115                                    |
| Sand, clear, coarse, quartz; brown and black phosphorite gravel; brown dolomite fragments; some light-tan limestone fragments; some clay . . . . .                     | 115 - 120                                    |
| Clay, brown, dense; fine black phosphorite sand; fine quartz; some tan dolomitic limestone . . . . .   | 120 - 125                                    |
| Limestone, gray and tan, hard, dolomitic; brown clay . . . . .   | 125 - 132                                    |
| Clay, dark-brown; sand; gray limestone fragments; black phosphorite sand; light-gray clay . . . . .  | 132 - 136                                    |
| Clay, gray, heavy; black phosphorite sand; thin layers of gray limestone and brown dolomitic limestone . . . . .   | 136 - 140                                    |
| <b>Ocala Group:</b>  |  |
| Limestone, gray to white; foraminifers; sand; black phosphorite sand . . . . .   | 140 - 161                                    |
| Limestone, white, fossiliferous; foraminifers; some fine black phosphorite sand . . . . .  | 161 - 186                                    |
| Well 946-159-4<br>(W-5321)   |  |
| <b>Older Pleistocene terrace deposits:</b>   |  |
| Sand, brown to tan, fine to coarse . . . . .   | 0 - 4  |
| <b>Unnamed coarse clastics:</b>  |  |
| Sand, yellowish-red, fine to coarse, slightly clayey; black heavy mineral . . . . .  | 4 - 19                                       |
| Sand, light-yellow to yellow orange, fine to coarse, clayey . . . . .  | 19 - 24                                      |
| Sand, light-yellow to white, medium to very coarse; clays; some gray and white clay . . . . .  | 24 - 29                                      |
| Sand, tan to orange, medium to very coarse; tan to orange clay . . . . .   | 29 - 34                                      |
| Sand, high yellow to tan, medium to very coarse; clayey sand . . . . .   | 34 - 44                                      |
| As above, but sand is fine to medium . . . . .   | 44 - 54                                      |
| As above, plus stiff light-brown sandy clay . . . . .  | 54 - 60                                      |
| <b>Choctawhatchee Formation:</b>   |  |
| Limestone, brownish-gray, fragments; white limestone fragments; brown and black phosphorite sand; some soft white sandy limestone; fossil molds and casts . . . . .    | 60 - 64                                      |
| Clay, light creamy-tan; fine brown and black phosphorite sand; white limestone fragments with included phosphorite grains . . . . .                                    | 64 - 69                                      |
| As above, plus reddish phosphorite and silica gravel . . . . .   | 69 - 75                                      |
| <b>Hawthorn Formation:</b>   |  |
| Clay, light-gray; brown and black phosphorite; shell fragments; some sand . . . . .  | 75 - 79                                      |
| As above, plus gravel size phosphorite and gray limestone fragments . . . . .  | 79 - 81                                      |
| Clay, gray, heavy; fine to very coarse brown and black phosphorite sand; limestone fragments; fine shell . . . . .   | 81 - 95                                      |
| Clay, gray; fine sand; fine black phosphorite grains; fine shell; limestone fragments . . . . .  | 95 - 98                                      |
| Clay, light greenish-gray; fine sand; fine to very coarse black phosphorite; cream-colored limestone fragments containing black and brown phosphorite grains . . . . . | 98 - 100                                     |
| Clay, light-tan; black and brown phosphorite gravel; hard cream-colored limestone; limestone fragments containing fine grains of black phosphorite . . . . .           | 100 - 105                                    |
| Limestone, brown fragments; white coquina; brown and black phosphorite gravel; clay; some sand . . . . .   | 105 - 110                                    |
| Limestone, gray; cream-colored clay; black and brown phosphorite gravel; white limestone fragments; some fine shell . . . . .  | 110 - 113                                    |

Table 4.--Continued

## Well 946-159-4--Continued

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Hawthorn Formation--Continued</b>  |  |
| Limestone, cream-colored, sandy; brown and black phosphorite; cream-colored clay; gray limestone fragments; some fine shell . . . . .                               | 113 - 115                                    |
| Clay, gray; black and brown phosphorite gravel; light-gray limestone fragments; some sandy limestone . . . . .  | 115 - 119                                    |
| Clay, light greenish-gray; black and brown phosphorite sand and gravel; gray sandy limestone; light-tan limestone . . . . .   | 119 - 125                                    |
| As above, plus fine to medium sand . . . . .  | 125 - 130                                    |
| As above, less sand . . . . .   | 130 - 135                                    |
| Clay, dark-green; black and brown phosphorite sand and gravel; light-tan limestone fragments; fine to medium sand . . . . .   | 135 - 149                                    |
| Clay, light greenish-gray; fine black phosphorite; fine sand; some limestone fragments . . . . .  | 149 - 158                                    |
| As above, with black phosphorite gravel and no limestone . . . . .  | 158 - 162                                    |
| Clay, dark-green, sandy; fine to medium sand; black phosphorite sand and gravel . . . . .   | 162 - 170                                    |
| As above, plus white limestone fragments . . . . .  | 170 - 175                                    |
| As above, plus limestone and shell fragments . . . . .  | 175 - 177                                    |
| As above, with some coquina . . . . .   | 177 - 180                                    |
| Clay, green; black phosphorite gravel; gray limestone fragments   | 180 - 183                                    |
| Clay, gray; fine to gravel size black phosphorite; light-gray limestone fragments; gray cherty limestone; fine to coarse sand . . . . .                             | 183 - 190                                    |
| Limestone, gray; black phosphorite gravel; some sand . . . . .  | 190 - 196                                    |
| As above, plus greenish-gray clay; fine black phosphorite; some fine quartz sand . . . . .  | 196 - 199                                    |
| Clay, blue-gray, heavy; fine phosphorite sand; fine quartz sand; some white sandy limestone fragments; gray and white limestone fragments; some fine sand . . . . . | 199 - 215                                    |
| <b>Ocala Group:</b>   |  |
| Limestone, white, fossiliferous; fine black and brown phosphorite . . . . .   | 215 - 219                                    |
| Clay, light-gray, calcareous; fine white limestone; fine black phosphorite . . . . .  | 219 - 222                                    |
| Limestone, white, fossiliferous; gray limestone fragments; black phosphorite . . . . .  | 222 - 223                                    |
| Limestone, cream-colored; white, fossiliferous limestone; black phosphorite . . . . .   | 223 - 249                                    |
| <b>Well 947-201-4<br/>(W-5186)</b>  |  |
| <b>Older Pleistocene terrace deposits:</b>  |  |
| Sand, tan . . . . .   | 0 - 5  |
| <b>Unnamed coarse clastics:</b>   |  |
| Sand, yellow to orange to pink; clayey . . . . .  | 5 - 25                                       |
| Sand, tan; slightly clayey . . . . .  | 25 - 30                                      |
| As above, fine to medium, some clayey sand . . . . .  | 30 - 40                                      |
| Sand, white, clayey; thin layers of white kaolin clay . . . . .   | 40 - 50                                      |
| As above, more yellowish in color . . . . .   | 50 - 55                                      |
| <b>Chuctawhatchee Formation:</b>  |  |
| Clay, red and yellow, hard; soft greenish-yellow sandy clay near bottom of interval; brown phosphorite pebbles . . . . .  | 55 - 60                                      |
| Clay, olive drab; gray and yellow marl; yellow and red phosphorite and silica gravel; soft white limestone; shark's teeth and fossil impressions . . . . .          | 60 - 75                                      |
| <b>Hawthorn Formation:</b>  |  |
| Clay, greenish-gray; black phosphorite grains; soft, white, phosphatic limestone . . . . .  | 75 - 77                                      |
| As above, plus large milky quartz gravel and sand . . . . .   | 77 - 82                                      |
| As above, white clay instead of greenish-gray . . . . .   | 82 - 85                                      |
| As above, clay, olive in color . . . . .  | 85 - 88                                      |



Table 4.--Continued

## Well 947-201-4--Continued

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Hawthorn Formation--Continued</b>  |  |
| Clay, light-gray; fine to medium quartz sand; brown gravel;<br>white limestone; sandy limestone; phosphorite grains . . . . . | 88 - 96                                      |
| As above, plus medium hard grayish-green clay . . . . .   | 96 - 102                                     |
| Clay, grayish-green; fine to coarse quartz sand; white limestone;<br>yellowish rock; black phosphorite . . . . .              | 102 - 112                                    |
| Clay, greenish-yellow, medium hard; black phosphorite; white<br>limestone . . . . .   | 112 - 122                                    |
| Limestone, gray, sandy; fine to medium sand; phosphorite grains<br>and pebbles; soft clay . . . . .                           | 122 - 136                                    |
| Clay, dark greenish-yellow, soft to medium hard; sand; phospho-<br>rite; white limestone . . . . .                            | 136 - 146                                    |
| Clay, dark-green, hard; little phosphorite . . . . .  | 146 - 155                                    |
| Clay, green, medium hard to hard; phosphorite; white limestone.   | 155 - 166                                    |
| Limestone, light-gray, very hard; sand; phosphorite . . . . .   | 166 - 168                                    |
| Limestone, brown, hard, dolomitic; some sand and phosphorite  | 168 - 173                                    |
| Clay, gray, medium hard; sand; phosphorite; brown dolomitic<br>limestone . . . . .  | 173 - 177                                    |
| Limestone, dark-gray to brown, dolomitic; sandy phosphatic lime-<br>stone; fine to medium sand; phosphorite . . . . .         | 177 - 188                                    |
| Clay, light gray calcareous; some light to dark gray limestone.   | 188 - 195                                    |
| <b>Ocala group:</b>   |  |
| Limestone, gray; sandy limestone; sand; phosphorite . . . . .   | 195 - 199                                    |
| Limestone, light-gray and cream-colored, fossiliferous; foramini-<br>fera . . . . .   | 199 - 203                                    |
| Limestone, gray to greenish-gray; fossiliferous limestone . . . . .   | 203 - 208                                    |
| Limestone, light to dark-gray; fossiliferous limestone . . . . .  | 208 - 210                                    |
| Limestone, light-gray, fine; fossiliferous limestone . . . . .  | 210 - 215                                    |
| As above, with coarser limestone fragments . . . . .  | 215 - 226                                    |
| Limestone, light-gray to white; fossiliferous limestone . . . . .   | 226 - 230                                    |
| As above, plus dark-brown clay . . . . .  | 230 - 252                                    |
| Limestone, cream-colored, fine; fossiliferous limestone . . . . .   | 252 - 259                                    |
| As above, plus some gray limestone . . . . .  | 259 - 272                                    |
| Limestone, cream-colored; fossiliferous limestone . . . . .   | 272 - 307                                    |
| <b>Well 947-202-13<br/>(W-5332)</b>   |  |
| <b>Older Pleistocene terrace deposits:</b>  |  |
| Sand, dark-brown; yellowish-brown sand; organic material; black<br>heavy mineral grains . . . . .                             | 0 - 5  |
| Sand, yellow, fine; black heavy mineral grains . . . . .  | 5 - 12                                       |
| <b>Unnamed coarse clastics:</b>   |  |
| Sand, white, fine; some clay; black grains . . . . .  | 12 - 15                                      |
| Sand, yellow, fine; some clay; black grains . . . . .   | 15 - 20                                      |
| Sand, light-yellow to tan, fine; black grains . . . . .   | 20 - 25                                      |
| Sand, light-gray, fine; some yellow sand; black grains . . . . .  | 25 - 30                                      |
| As above, no yellow sand . . . . .  | 30 - 35                                      |
| As above, plus white sand . . . . .   | 35 - 47                                      |
| Sand, brown, fine; some clay; black and amber grains . . . . .  | 47 - 60                                      |
| As above, sand light-tan . . . . .  | 60 - 70                                      |
| Sand, light-gray to white; black and amber grains . . . . .   | 70 - 96                                      |
| As above, plus some soft gray sandy clay . . . . .  | 96 - 106                                     |
| As above, with no clay; black and amber phosphorite grains . . . . .  | 106 - 131                                    |
| As above, plus a thin layer of sandy clay . . . . .   | 131 - 142                                    |
| Sand, light-gray to white; black and amber phosphorite grains . . . . .   | 142 - 227                                    |
| As above, plus streaks of yellow, soft, sandy clay . . . . .  | 227 - 235                                    |
| As above, no sandy clay . . . . .   | 235 - 247                                    |
| Sand, tan, fine to medium; black phosphorite grains . . . . .   | 247 - 257                                    |
| As above, plus streaks of orange and white soft sandy clay . . . . .  | 257 - 272                                    |
| Sand, light-gray, fine to medium; streaks of light gray soft<br>sandy clay . . . . .  | 272 - 286                                    |
| As above, plus some gray clay . . . . .   | 286 - 294                                    |
| As above, plus soft, yellow, sandy clay; limonite; some gray<br>limestone . . . . .   | 294 - 300                                    |

Table 4.--Continued

## Well 947-202-13--Continued

| <u>Material</u>  | <u>Depth, in feet<br/>below land surface</u> |
|--|--|
| <b>Choctawhatchee Formation:</b>   |  |
| Sand, gray; soft, gray, sandy clay; some white and gray limestone; sandy limestone . . . . .   | 300 - 305                                    |
| As above, plus gray and yellow, soft, phosphatic, sandy clay; phosphorite and silica gravel . . . . .  | 305 - 309                                    |
| Sand, white to yellow; white, yellow, and greenish-yellow, soft, phosphatic, sandy clay; some white limestone; phosphorite and silica gravel . . . . . | 309 - 313                                    |
| As above, with clay more cream-colored; dwarf mollusk shells .   | 313 - 314                                    |
| Marl, yellow and brown, hard; soft cream-colored phosphatic clay; some sand; phosphorite . . . . .   | 314 - 319                                    |
| <b>Hawthorn Formation:</b>   |  |
| Clay, greenish-yellow, soft, phosphatic; some sand . . . . .   | 319 - 329                                    |
| Sand, tan, fine; streaks of white clay . . . . .   | 329 - 334                                    |
| As above, plus soft cream-colored clay . . . . .   | 334 - 344                                    |
| Sand, tan, fine to medium; streaks of cream-colored clay . . .   | 344 - 349                                    |
| Sand, gray, fine to coarse; streaks of white clay . . . . .  | 349 - 358                                    |
| Sand, gray, fine to medium . . . . .   | 358 - 366                                    |
| Limestone, white and yellow; yellow clay; phosphorite . . . . .  | 366 - 368                                    |
| Sand, clay; black and amber phosphorite sand . . . . .   | 368 - 377                                    |
| Limestone, brown, dolomitic; white limestone . . . . .   | 377 - 378                                    |
| Sand; soft gray clay; phosphorite sand . . . . .   | 378 - 380                                    |
| Limestone, brown, dolomitic; white limestone; rock very hard from 380 to 384 feet . . . . .  | 380 - 387                                    |
| Clay, dark bluish-gray; some yellow clay; gray limestone; phosphorite . . . . .  | 387 - 394                                    |
| Clay, bluish-gray . . . . .  | 394 - 399                                    |
| As above, plus clayey sand; limestone layer . . . . .  | 399 - 405                                    |
| Sand; yellow, tan, and gray clay . . . . .   | 405 - 415                                    |
| As above, plus phosphorite; thin clay layers . . . . .   | 415 - 420                                    |
| <b>Ocala Group:</b>  |  |
| Limestone, soft; fossil fragments . . . . .  | 420 - 424                                    |
| Limestone, yellow, fossiliferous . . . . .   | 424 - 429                                    |
| Limestone, gray and yellow, fossiliferous . . . . .  | 429 - 434                                    |
| As above, no yellow limestone . . . . .  | 434 - 445                                    |
| Limestone, gray and brown, fossiliferous . . . . .   | 445 - 447                                    |
| Sand, white and gray . . . . .   | 447 - 449                                    |

Well 952-147-2  
(W-5347)

|   |           |
|---|-----------|
| <b>Pleistocene and Recent deposits:</b>   |           |
| Clay, dark brown; fine sand . . . . .   | 0 - 15    |
| As above, plus fine black heavy mineral; organic material . . .   | 15 - 18   |
| Sand, gray, fine; fine black heavy mineral . . . . .  | 18 - 25   |
| Clay, dark-gray, heavy . . . . .  | 25 - 38   |
| As above, plus numerous shell fragments . . . . .   | 38 - 59   |
| <b>Choctawhatchee Formation:</b>  |           |
| Clay, dark gray; shell; yellow and gray limestone and marl; black phosphorite gravel . . . . .                            | 59 - 64   |
| As above, plus sandy limestone; very coarse sand . . . . .  | 64 - 74   |
| <b>Hawthorn Formation:</b>  |           |
| Limestone, gray, fragments; gray sandy clay; black phosphorite sand and gravel . . . . .                                  | 74 - 83   |
| Clay, greenish-gray; some sand; black phosphorite sand; gray limestone fragments . . . . .                                | 83 - 94   |
| As above, no limestone; fine black phosphorite . . . . .  | 94 - 99   |
| As above, plus clear coarse sand . . . . .  | 99 - 114  |
| As above, plus greenish-gray sandy limestone fragments . . . .  | 114 - 119 |
| Sand, clear, coarse; fine to gravel size, black phosphorite; green clay; white to green sandy limestone fragments . . . . | 119 - 129 |
| Clay, green, sandy; black phosphorite sand and gravel; sandy limestone fragments . . . . .                                | 129 - 139 |

Table 4.--Continued

Well 952-147-2--Continued

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Hawthorn Formation--Continued</b>  |  |
| Clay, light greenish-gray, sandy; black phosphorite sand and gravel; gray limestone fragments . . . . .                                 | 139 - 147                                    |
| Clay, green; black phosphorite sand and gravel; white limestone fragments; some quartz sand . . . . .                                   | 147 - 153                                    |
| As above, clay more sandy . . . . .   | 153 - 159                                    |
| As above, plus light gray to gray cherty limestone fragments .  | 159 - 179                                    |
| Clay, dark green, sandy; black phosphorite sand; gray limestone fragments . . . . .   | 179 - 199                                    |
| Clay, green, sandy; black phosphorite sand and gravel; white limestone fragments . . . . .  | 199 - 204                                    |
| As above, clay more dense; quartz sand . . . . .  | 204 - 209                                    |
| Clay, greenish-gray, sandy; black phosphorite sand; gray limestone fragments . . . . .  | 209 - 224                                    |
| Sand, clear, coarse; black phosphorite sand and gravel; greenish-gray clay; white and gray limestone . . . . .                          | 224 - 234                                    |
| Clay, gray, sandy; gray and white limestone fragments; clear coarse sand; black phosphorite sand and gravel . . . . .                   | 234 - 249                                    |
| As above, plus lumps of gray sand . . . . .   | 249 - 259                                    |
| Clay, blue-gray, sandy; fine black phosphorite sand; gray, sandy, limestone fragments; white limestone . . . . .                        | 259 - 274                                    |
| Clay, gray, heavy, sandy; fine to medium sand; black phosphorite sand and gravel; gray and white limestone fragments . . . . .          | 274 - 278                                    |
| Clay, light-gray, sandy; fine to coarse sand; black phosphorite sand and gravel . . . . .   | 278 - 284                                    |
| <b>Ocala Group:</b>   |  |
| Limestone, white, fossiliferous; foraminifers . . . . .   | 284 - 289                                    |
| Limestone, gray to white, fossiliferous; foraminifers; some sand; black phosphorite . . . . .   | 289 - 319                                    |
| Union County<br>Well 001-224-1<br>(W-5240)  |  |
| <b>Older Pleistocene terrace deposits:</b>  |  |
| Sand, gray, fine; black organic material . . . . .  | 0 - 1  |
| Sand, light-tan, fine to coarse; some clay . . . . .  | 1 - 5  |
| Sand, orange to light-brown, fine; clay . . . . .   | 5 - 8  |
| Clay, gray, sandy . . . . .   | 8 - 9  |
| Clay, white and gray, sandy; fine sand; clayey sand . . . . .   | 9 - 18                                       |
| Clay, light-gray; medium fine to coarse sand . . . . .  | 18 - 24                                      |
| Clay, creamy tan; coarse sand; gray clay . . . . .  | 24 - 29                                      |
| Clay, reddish-brown; medium fine to coarse sand . . . . .   | 29 - 30                                      |
| <b>Choctawhatchee Formation:</b>  |  |
| Clay, light-brown; some coarse sand; yellow and gray marl and limestone; amber and tan phosphorite; some reddish chert gravel . . . . . | 30 - 33                                      |
| Clay, brown; fine sand; light-gray clay; fine brown phosphorite grains . . . . .  | 33 - 40                                      |
| Clay, brown; fine sand; some fine brown phosphorite; limestone fragments; shell . . . . .   | 40 - 44                                      |
| Limestone, white; shell; white clay; brown phosphorite grains .   | 44 - 55                                      |
| <b>Hawthorn Formation:</b>  |  |
| Limestone, gray, phosphatic; brown phosphorite grains; white clay . . . . .   | 55 - 59                                      |
| As above, plus black phosphorite . . . . .  | 59 - 68                                      |
| Clay, gray, sandy; black phosphorite grains; limestone fragments; medium fine to coarse sand . . . . .                                  | 68 - 83                                      |
| Clay, bluish-green; coarse sand; medium black phosphorite grains .  | 83 - 87                                      |
| As above, plus coarse black phosphorite . . . . .   | 87 - 98                                      |
| Clay, greenish-blue; coarse black phosphorite grains; limestone fragments . . . . .   | 98 - 102                                     |

Table 4.--Continued

## Well 001-224-1--Continued

| <u>Material</u>  | <u>Depth, in feet<br/>below land surface</u> |
|--|--|
| <b>Hawthorn Formation--Continued</b>   |  |
| Sand, medium fine to medium; some clay; brown and black phosphorite . . . . .  | 102 - 109                                    |
| Limestone, gray, hard . . . . .  | 109 - 111                                    |
| Sand, medium to coarse; some clay; brown and black phosphorite grains . . . . .  | 111 - 121                                    |
| As above, plus gray clay . . . . .   | 121 - 130                                    |
| Sand, gray, hard, medium to coarse; some clay . . . . .  | 130 - 136                                    |
| As above, plus brown and black phosphorite grains . . . . .  | 136 - 137                                    |
| Clay, bluish-gray, sandy; fine to coarse sand; some limestone fragments . . . . .  | 137 - 143                                    |
| Limestone; black phosphorite; sand; clay . . . . .   | 143 - 145                                    |
| <b>Suwannee Limestone:</b>   |  |
| Limestone, white; fine white sand; some black phosphorite grains; shell fragments . . . . .  | 145 - 148                                    |
| As above, no phosphorite . . . . .   | 148 - 154                                    |
| Limestone, cream-colored; some fine to coarse sand . . . . .   | 154 - 160                                    |
| As above, plus sandstone fragments; some shell; foraminifers; echinoid spines . . . . .  | 160 - 165                                    |
| Clay, dark gray to dark brown; some shell; limestone fragments; fine sand . . . . .  | 165 - 171                                    |
| Shell, coral, oyster, brachiopoda; coquina limestone . . . . .   | 171 - 177                                    |
| Limestone, white; shell; sand; clay . . . . .  | 177 - 178                                    |
| As above, plus black phosphorite sand (cavings?) . . . . .   | 178 - 183                                    |
| Limestone; blue clay; few forams . . . . .   | 183 - 185                                    |
| <b>Ocala Group:</b>  |  |
| Limestone, white; foraminifers; fine sand; black clay; some shell; black phosphorite sand . . . . .                                      | 185 - 187                                    |
| As above, plus gray dolomitic limestone; some silicified limestone . . . . .   | 187 - 195                                    |
| As above, plus shark's teeth . . . . .   | 195 - 207                                    |
| Limestone, white, fine; fine gray sand; foraminifers; clay particles; shell . . . . .  | 207 - 214                                    |
| As above, plus phosphorite grains . . . . .  | 214 - 215                                    |
| As above, plus black to dark-brown clay . . . . .  | 215 - 218                                    |
| Limestone, coquina; foraminifers; some silicified limestone grains . . . . .   | 218 - 256                                    |
| <b>Well 007-222-1<br/>(W-5297)</b>   |  |
| <b>Older Pleistocene terrace deposits:</b>   |  |
| Sand, tan and pink, clayey; sandy clay . . . . .   | 0 - 21                                       |
| Clay, light-gray to pink; sand; yellow iron oxide stain . . . . .  | 21 - 26                                      |
| Sand, pink, clayey; a few grains of black and brown phosphorite . . . . .  | 26 - 31                                      |
| As above, sand-brown to salmon-colored . . . . .   | 31 - 36                                      |
| As above, sand-tan to cream-colored; some small gravel and flint rock . . . . .  | 36 - 40                                      |
| <b>Choctawhatchee Formation:</b>   |  |
| No sample . . . . .  | 40 - 47                                      |
| Clay, yellowish; sand; white to tan clayey limestone or marl; brown and black phosphorite grains and pebbles; shark's teeth . . . . .    | 47 - 57                                      |
| Clay, cream-colored; sand; calcareous clay; some tan limestone; brown and black phosphorite grains . . . . .                             | 57 - 62                                      |
| As above, clay greenish-gray; harder at 64 feet . . . . .  | 62 - 64                                      |
| <b>Hawthorn Formation:</b>   |  |
| Limestone, light-gray and tan, sandy; black phosphorite pebbles . . . . .  | 64 - 72                                      |
| Clay, bluish-gray, sandy, calcareous; thin, sandy, phosphatic limestone layers; black and brown phosphorite grains and pebbles . . . . . | 72 - 80                                      |
| As above, plus fine, white, quartz sand . . . . .  | 80 - 91                                      |

Table 4.--Continued

## Well 007-222-1--Continued

| <u>Material</u>  | <u>Depth, in feet<br/>below land surface</u> |
|--|--|
| <b>Hawthorn Formation--Continued</b>   |  |
| Sand, white, fine to medium, quartz; limestone, clay; black phosphorite grains; heavy mineral grains . . . . .   | 91 - 96                                      |
| Clay, bluish-green; sand; layers of bluish-green calcareous clay; black and brown phosphorite grains . . . . .   | 96 - 99                                      |
| As above, interbedded thin limestone layers . . . . .  | 99 - 109                                     |
| As above, thin layers of fine to medium quartz sand; no limestone . . . . .  | 109 - 114                                    |
| Clay, light-gray, sandy; thin limestone layers; amber and black phosphorite grains . . . . .   | 114 - 119                                    |
| As above, plus oyster shell . . . . .  | 119 - 124                                    |
| As above, plus white limestone; calcareous sandstone . . . . .   | 124 - 129                                    |
| As above, very little pebble phosphorite; macro-fossil fragments   | 129 - 144                                    |
| Clay, light gray, soft, phosphatic calcareous; interbedded white limestone; light gray sandy limestone; oyster shell; brown and black phosphorite grains and pebbles . . . . . | 144 - 159                                    |
| As above, clay light-brown . . . . .   | 159 - 163                                    |
| <b>Suwannee Limestone:</b>   |  |
| Limestone, light greenish-gray, crystalline, fossiliferous; some phosphorite grains; white quartz sand . . . . .   | 163 - 174                                    |
| Limestone, crystalline, fossiliferous . . . . .  | 174 - 179                                    |
| Limestone, porous, fossiliferous; fine, white, quartz sand . . . . .   | 179 - 184                                    |
| Limestone, light-gray, crystalline, fossiliferous; dark-gray to black siliceous (cherty) limestone . . . . .   | 184 - 189                                    |
| Limestone, coquina; some crystalline and dark gray to black, siliceous, cherty limestone . . . . .   | 189 - 194                                    |
| Limestone, light-gray; shell fragments; limonite grains . . . . .  | 194 - 200                                    |
| <b>Ocala Group:</b>  |  |
| Limestone, light-gray, soft, coquina; some cherty or siliceous limestone; macro-fossils; shell . . . . .   | 200 - 226                                    |
| Limestone, crystalline, fossiliferous limestone; some coquina limestone; macro-fossils; foraminifers . . . . .   | 226 - 281                                    |
| Limestone, coquina, fossiliferous; yellow calcareous clay . . . . .  | 281 - 296                                    |
| As above, plus some black and brown phosphorite pebbles . . . . .  | 286 - 303                                    |
| Limestone, light-gray, crystalline, fossiliferous, coquina; shell; fine white quartz sand . . . . .  | 303 - 355                                    |
| As above, mostly coquina limestone . . . . .   | 355 - 375                                    |
| As above, limestone gray . . . . .   | 375 - 400                                    |
| Limestone, cream-colored, coquina . . . . .  | 400 - 405                                    |
| As above, nearly white in color; foraminifers . . . . .  | 405 - 445                                    |
| <b>Avon Park Limestone:</b>  |  |
| Limestone, cream-colored, coquina; brown, dolomitic crystalline limestone; crystalline limestone . . . . .   | 445 - 450                                    |
| Dolomite, brown, crystalline, hard . . . . .   | 450 - 460                                    |
| No sample . . . . .  | 460 - 461                                    |
| Cavity . . . . .   | 461 - 462                                    |
| Dolomite, brown, hard, granular . . . . .  | 462 - 487                                    |
| Limestone, light-gray, fossiliferous; brown granular dolomite . . . . .  | 487 - 499                                    |
| Shale, bluish-green; dense, light-gray limestone . . . . .   | 499 - 504                                    |
| Limestone, light-gray, crystalline; brown dolomitic limestone; pyrite . . . . .  | 504 - 521                                    |
| No sample . . . . .  | 521 - 528                                    |
| Limestone, light gray, iron stained . . . . .  | 528 - 533                                    |
| As above, plus tan and brown granular dolomite . . . . .   | 533 - 543                                    |
| Limestone, tan, dolomitic; some light-gray limestone . . . . .   | 543 - 547                                    |
| As above, iron stained . . . . .   | 547 - 553                                    |
| As above, plus black carbonaceous lignite . . . . .  | 553 - 558                                    |
| Clay, tan and light-green, sandy, silty . . . . .  | 558 - 563                                    |
| Clay, interbedded light-green, dark green and brown; light-gray limestone; brown dolomite; few fossil cones; <u>Dictyoconus</u> <u>cookei</u> . . . . .                        | 563 - 588                                    |

| <u>Material</u>   | <u>Depth, in feet<br/>below land surface</u> |
|---|--|
| <b>Lake City Limestone:</b>   |  |
| Limestone, brown and tan, dolomitic; some clay . . . . .                  | 588 - 619                                    |
| Limestone, coquina, porous, fossiliferous; <u>Dictyoconus americanus</u>  | 619 - 624                                    |
| As above, less coquina; brown dolomitic limestone . . . . .               | 624 - 629                                    |
| Limestone, soft, coquina, porous, <u>Dictyoconus americanus</u> . . . . . | 629 - 644                                    |
| As above, plus brown dolomite and dolomitic limestone . . . . .           | 644 - 724                                    |

Table 5. Measurements of Ground-Water Level

For location of wells see figure 5. All measurements in feet above (+) or below measuring point. Description of measuring point given in table 3. For additional water-level measurements for wells 958-139-1, 958-139-2, 959-140-1, 002-142-1, 003-151-1, 006-149-1, and 006-149-2, refer to Clay County wells 7, 22, 8, 1, 2, 4, and 5 in the U. S. Geological Survey Water-Supply Papers, water-level report series, southeastern states, Florida.

| Well number    | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|----------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| Alachua County |          |             |          |             |          |             |          |             |
| 927-203-1      | 8- 6-56  | +0.11       | 11- 3-58 | +2.93       | 8-17-59  | +5.68       | 4-22-60  | +6.02       |
|                | 1-22-58  | +2.40       | 12-18-58 | +3.24       | 10- 2-59 | +6.38       | 6-27-60  | +6.3        |
|                | 3- 4-58  | +2.42       | 2-17-59  | +3.49       | 11-13-59 | +6.18       |          |             |
|                | 7- 9-58  | +3.24       | 4- 6-59  | +5.2        | 12-21-59 | +5.09       |          |             |
|                | 9-15-58  | +2.94       | 6-26-59  | +5.61       | 2-29-60  | +4.59       |          |             |
| 929-204-1      | 2- 8-56  | 24.08       | 7- 9-58  | 20.46       | 11- 3-58 | 20.95       | 12-16-58 | 20.95       |
|                | 5-12-58  | 20.12       | 9-15-58  | 20.66       |          |             |          |             |
| 929-209-1      | 6- 3-58  | 8.87        | 11- 3-58 | 9.02        | 12-16-58 | 8.63        |          |             |
| 929-213-1      | 4-11-58  | 9.74        | 10-23-58 | 10.10       | 6-22-59  | 5.94        | 1- 5-60  | 6.06        |
|                | 5- 6-58  | 9.52        | 12- 8-58 | 9.70        | 8-12-59  | 5.17        | 2-22-60  | 6.81        |
|                | 6-30-58  | 9.75        | 2- 6-59  | 9.30        | 9-28-59  | 4.93        | 4-13-60  | 3.71        |
|                | 9- 9-58  | 9.77        | 3-31-59  | 6.16        | 11- 9-59 | 4.10        | 6-27-60  | 4.42        |
| 929-214-1      | 10-23-58 | 92.22       | 12- 8-58 | 92.01       | 6-29-60  | 87.16       |          |             |
| 930-214-1      | 6- 2-58  | 12.25       | 9-20-58  | 17.90       | 10-23-58 | 17.82       |          |             |
| 930-214-2      | 7- 8-58  | 15.92       | 2-10-59  | 15.24       | 8-12-59  | 12.68       | 1- 5-60  | 12.84       |
|                | 9-30-58  | 16.39       | 3-31-59  | 13.10       | 9-28-59  | 12.55       | 2-22-60  | 13.39       |
|                | 10-23-58 | 16.33       | 6-22-59  | 13.19       | 11- 9-59 | 12.06       | 4-13-60  | 11.35       |
|                | 12- 8-58 | 15.82       |          |             |          |             |          |             |
| 930-216-2      | 7- 2-58  | 43.87       | 10-23-58 | 44.43       | 12- 8-58 | 43.83       | 6-29-60  | 38.98       |
|                | 9-20-58  | 44.26       |          |             |          |             |          |             |
| 930-216-4      | 7- 2-58  | 6.27        | 9-20-58  | 2.92        | 10-23-58 | 1.62        | 12- 8-58 | 3.49        |
| 932-231-1      | 9-20-58  | 40.07       | 3-31-59  | 37.60       | 9-28-59  | 33.05       | 2-22-60  | 35.51       |
|                | 10-23-58 | 40.43       | 6-22-59  | 35.11       | 11- 9-59 | 32.31       | 4-13-60  | 34.41       |
|                | 2-10-59  | 40.54       | 8-12-59  | 34.33       | 1- 4-60  | 33.77       | 6-29-60  | 33.92       |
| 935-204-1      | 8- 2-56  | 21.05       | 3- 4-58  | 20.20       | 7- 9-58  | 18.16       | 10-30-58 | 20.64       |
|                | 1-22-58  | 19.20       | 5-12-58  | 14.25       | 9-15-58  | 19.38       | 12-16-58 | 20.66       |
| 935-205-1      | 4-16-58  | 60.15       | 7- 9-58  | 61.21       | 10-30-58 | 62.30       | 6-23-60  | 58.96       |
|                | 5-12-58  | 60.41       | 9-15-58  | 61.68       | 12-16-58 | 61.82       |          |             |
| 935-220-1      | 4-24-58  | 18.57       | 12- 8-58 | 19.27       | 6-22-59  | 14.79       | 9-28-59  | 15.75       |
|                | 5- 6-58  | 18.49       | 2- 9-59  | 18.78       | 8-12-59  | 15.39       | 11- 9-59 | 15.20       |
|                | 7- 3-58  | 18.33       | 3-30-59  | 15.67       |          |             |          |             |
| 935-233-1      | 2-10-58  | 4.94        | 9- 9-58  | 3.46        | 3-31-59  | +1.07       | 11- 9-59 | +3.31       |
|                | 2-25-58  | 5.20        | 10-23-58 | 3.60        | 6-22-59  | + .78       | 1- 4-60  | +2.41       |
|                | 5- 7-58  | 2.98        | 12- 8-58 | 2.75        | 8-12-59  | + .98       | 2-22-60  | +2.30       |
|                | 7- 1-58  | 4.21        | 2-10-59  | 1.83        | 9-28-59  | +3.50       | 4-13-60  | +2.30       |
| 936-220-1      | 4- 7-58  | 14.98       | 7- 3-58  | 14.46       | 10-23-58 | 15.32       | 12- 8-58 | 15.39       |
|                | 5- 6-58  | 14.32       | 9-12-58  | 14.15       |          |             |          |             |
| 936-223-1      | 11-18-57 | 32.94       | 5- 6-58  | 29.91       | 9-10-58  | 30.06       | 12-11-58 | 31.00       |
|                | 1-20-58  | 33.82       | 7- 3-58  | 30.51       | 10-23-58 | 30.90       | 6-29-60  | 23.75       |
|                | 2-24-58  | 33.99       |          |             |          |             |          |             |

Table 3.--Continued

| Well number | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 936-236-1   | 8-15-58  | 33.02       | 3-15-59  | 32.88       | 9-31-59  | 26.89       | 4-10-60  | 27.92       |
|             | 8-20-58  | 32.99       | 3-20-59  | 32.36       | 10- 5-59 | 26.91       | 4-15-60  | 27.79       |
|             | 8-25-58  | 32.87       | 3-25-59  | 31.60       | 10-10-59 | 26.91       | 4-20-60  | 27.69       |
|             | 8-31-58  | 32.80       | 3-31-59  | 30.88       | 10-15-59 | 25.90       | 4-25-60  | 27.59       |
|             | 9- 5-58  | 32.76       | 4- 5-59  | 30.51       | 10-20-59 | 26.83       | 4-30-60  | 27.55       |
|             | 9-10-58  | 32.73       | 4-10-59  | 30.17       | 10-25-59 | 26.77       | 5- 5-60  | 27.51       |
|             | 9-15-58  | 32.73       | 4-15-59  | 29.87       | 10-31-59 | 26.76       | 5-10-60  | 27.48       |
|             | 9-20-58  | 32.77       | 4-20-59  | 29.55       | 11- 5-59 | 26.74       | 5-15-60  | 27.52       |
|             | 9-25-58  | 32.79       | 4-25-59  | 29.33       | 11-10-59 | 26.73       | 5-20-60  | 27.58       |
|             | 9-30-58  | 32.84       | 4-30-59  | 29.08       | 11-15-59 | 26.71       | 5-25-60  | 27.65       |
|             | 10- 5-58 | 32.88       | 5- 5-59  | 28.77       | 11-20-59 | 26.71       | 5-31-60  | 27.79       |
|             | 10-10-58 | 32.95       | 5-10-59  | 28.68       | 11-25-59 | 26.70       | 6- 5-60  | 27.89       |
|             | 10-15-58 | 33.02       | 5-15-59  | 28.64       | 11-30-59 | 26.82       | 6-10-60  | 28.02       |
|             | 10-20-58 | 33.07       | 5-20-59  | 28.57       | 12- 5-59 | 26.83       | 6-20-60  | 28.21       |
|             | 10-25-58 | 33.14       | 5-31-59  | 28.50       | 12-10-59 | .94         | 6-25-60  | 28.23       |
|             | 10-31-58 | 33.23       | 6- 5-59  | 28.46       | 12-15-59 | 27.03       | 6-30-60  | 28.10       |
|             | 11-20-58 | 33.32       | 6-10-59  | 28.40       | 12-20-59 | 27.13       | 7- 5-60  | 28.02       |
|             | 11-25-58 | 33.31       | 6-15-59  | 28.33       | 12-25-59 | 27.22       | 7-10-60  | 28.03       |
|             | 11-30-58 | 33.34       | 6-20-59  | 28.22       | 12-31-59 | 27.40       | 7-15-60  | 27.94       |
|             | 12- 5-58 | 33.33       | 6-25-59  | 28.09       | 1- 5-60  | 27.48       | 7-20-60  | 27.85       |
|             | 12-10-58 | 33.39       | 6-30-59  | 27.94       | 1-10-60  | 27.61       | 7-25-60  | 27.75       |
|             | 12-15-58 | 33.42       | 7- 5-59  | 27.87       | 1-15-60  | 27.70       | 7-31-60  | 27.57       |
|             | 12-20-58 | 33.44       | 7-10-59  | 27.84       | 1-20-60  | 27.86       | 8- 5-60  | 27.34       |
|             | 12-25-58 | 33.47       | 7-15-59  | 27.75       | 1-25-60  | 27.99       | 8-10-60  | 26.98       |
|             | 12-31-58 | 33.50       | 7-20-59  | 27.64       | 1-31-60  | 28.10       | 8-15-60  | 26.61       |
|             | 1- 5-59  | 33.55       | 7-25-59  | 27.52       | 2- 5-60  | 28.24       | 8-20-60  | 26.37       |
|             | 1-10-59  | 33.52       | 7-31-59  | 27.41       | 2-10-60  | 28.36       | 9-20-60  | 25.13       |
|             | 1-15-59  | 33.45       | 8- 5-59  | 27.37       | 2-15-60  | 28.53       | 9-25-60  | 25.07       |
|             | 1-20-59  | 33.42       | 8-10-59  | 27.36       | 2-20-60  | 28.66       | 9-30-60  | 25.02       |
|             | 1-25-59  | 33.37       | 8-15-59  | 27.42       | 2-25-60  | 28.75       | 10- 5-60 | 25.00       |
|             | 1-31-59  | 33.35       | 8-20-59  | 27.46       | 2-28-60  | 28.82       | 10-10-60 | 25.00       |
|             | 2- 5-59  | 33.29       | 8-25-59  | 27.53       | 3- 5-60  | 28.88       | 10-15-60 | 24.99       |
|             | 2-10-59  | 33.28       | 8-31-59  | 27.57       | 3-10-60  | 28.91       | 10-20-60 | 25.02       |
| 2-15-59     | 33.24    | 9- 5-59     | 27.50    | 3-15-60     | 28.98    | 10-25-60    | 25.04    |             |
| 2-20-59     | 33.19    | 9-10-59     | 27.52    | 3-20-60     | 28.72    | 10-31-60    | 25.04    |             |
| 2-25-59     | 33.13    | 9-15-59     | 27.52    | 3-25-60     | 28.36    | 11- 5-60    | 25.10    |             |
| 3- 5-59     | 33.01    | 9-20-59     | 27.12    | 3-31-60     | 28.14    |             |          |             |
| 3-10-59     | 32.97    | 9-25-59     | 26.92    | 4- 5-60     | 28.02    |             |          |             |
| 936-236-1   | 8- 5-57  | 32.33       | 7-23-58  | 32.69       | 8-12-58  | 32.82       | 10-20-58 | 32.81       |
|             | 7-16-58  | 32.66       | 7-30-58  | 32.78       | 9- 9-58  | 32.24       |          |             |
| 937-212-1   | 4-25-58  | 6.49        | 2-17-59  | 4.85        | 8-17-59  | 4.88        | 12-22-59 | 5.61        |
|             | 11- 3-58 | 6.88        | 4- 6-59  | 4.20        | 10- 2-59 | 5.13        | 2-29-60  | 5.34        |
|             | 12-16-58 | 5.46        | 6-26-59  | 4.49        | 11-16-59 | 4.93        | 4-22-60  | 5.17        |
|             | 12-18-58 | 5.48        |          |             |          |             |          |             |
| 937-212-2   | 11- 3-58 | 15.33       | 4- 6-59  | 11.65       | 10- 2-59 | 11.64       | 2-29-60  | 12.90       |
|             | 12-16-58 | 14.54       | 6-26-59  | 11.34       | 11-16-59 | 11.66       | 4-22-60  | 11.93       |
|             | 2-17-59  | 13.26       | 8-17-59  | 11.52       | 12-22-59 | 12.43       |          |             |
| 937-212-3   | 12-18-58 | 3.17        | 6-26-59  | 2.47        | 11-16-59 | 3.12        | 2-29-60  | 2.78        |
|             | 2-17-59  | 2.52        | 8-17-59  | 2.84        | 12-22-59 | 3.66        | 4-22-60  | 3.12        |
|             | 4- 6-59  | 1.84        | 10- 2-59 | 3.22        |          |             |          |             |
| 937-232-1   | 2-21-58  | 48.91       | 5- 7-58  | 46.43       | 12- 9-58 | 46.57       | 6-29-60  | 41.15       |
|             | 2-27-58  | 49.45       | 7- 1-58  | 46.12       |          |             |          |             |
| 938-219-6   | 11-15-57 | 99.64       | 12- 9-57 | 98.93       | 2-24-58  | 100.51      | 7- 3-58  | 98.12       |
|             | 11-18-57 | 99.10       | 1-20-58  | 99.66       | 5- 6-58  | 98.08       | 12-11-58 | 96.04       |
| 938-219-7   | 11-18-57 | 106.08      | 7- 3-58  | 104.13      | 6-29-59  | 98.17       | 1- 5-60  | 98.37       |
|             | 12- 7-57 | 104.98      | 9- 8-58  | 105.69      | 8-12-59  | 98.43       | 2-22-60  | 99.68       |
|             | 1-20-58  | 105.81      | 10-22-58 | 104.61      | 9-28-59  | 98.13       | 4-13-60  | 98.95       |
|             | 2-24-58  | 105.51      | 2- 9-59  | 102.97      | 11- 9-59 | 97.52       | 7- 5-60  | 99.62       |
|             | 5- 6-58  | 103.69      | 3-30-59  | 99.72       |          |             |          |             |
| 938-223-1   | 5- 6-58  | 9.42        | 9-10-58  | 10.21       | 12-11-58 | 13.43       | 6-30-60  | 11.34       |
|             | 7- 3-58  | 10.94       | 10-22-58 | 12.86       |          |             |          |             |



Table 5,--Continued

| Well number | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 938-236-1   | 4-16-58  | 38.40       | 6-11-58  | 37.11       | 8-19-58  | 37.57       | 11-20-58 | 38.06       |
|             | 5- 7-58  | 37.72       | 7- 1-58  | 37.19       | 9-16-58  | 37.52       | 12- 9-58 | 38.13       |
|             | 5-21-58  | 37.35       | 7-29-58  | 37.41       | 10-24-58 | 37.80       | 6-29-60  | 33.32       |
| 939-217-2   | 7- 8-58  | 8.60        | 10-22-58 | 11.37       | 12-16-58 | 12.14       |          |             |
| 939-225-1   | 5- 8-58  | 91.13       | 10-22-58 | 92.20       | 3-30-59  | 88.24       | 8-13-59  | 87.12       |
|             | 7- 1-58  | 91.98       | 12- 8-58 | 92.03       | 6-22-59  | 86.90       | 6-29-60  | 87.30       |
|             | 9-10-58  | 91.24       |          |             |          |             |          |             |
| 939-230-1   | 2-14-58  | 50.59       | 5- 7-58  | 48.28       | 9- 9-58  | 47.82       | 12- 8-58 | 48.39       |
|             | 2-27-58  | 50.70       | 7- 1-58  | 47.90       | 10-24-58 | 48.18       |          |             |
| 940-218-2   | 2-25-58  | 128.58      | 7- 3-58  | 128.50      | 12-16-58 | 125.09      | 7- 5-60  | 123.63      |
|             | 4-29-58  | 125.04      |          |             |          |             |          |             |
| 940-218-6   | 5-14-58  | 6.10        | 7- 3-58  | 7.62        | 12-16-58 | 7.34        |          |             |
| 940-220-2   | 3-26-58  | 10.14       | 7- 2-58  | 11.53       | 10-22-58 | 14.66       | 12-10-58 | 14.31       |
|             | 5- 5-58  | 9.46        | 9-11-58  | 13.02       |          |             |          |             |
| 940-224-1   | 5- 7-58  | 57.98       | 9-10-58  | 57.98       | 10-22-58 | 58.83       | 12-11-58 | 58.92       |
|             | 7- 2-58  | 58.69       |          |             |          |             |          |             |
| 940-228-1   | 8-13-58  | 1.55        | 10-22-58 | 1.85        | 2- 9-59  | 1.32        | 6-22-59  | †1.75       |
|             | 9-10-58  | 1.15        | 12- 8-58 | 1.85        | 3-30-59  | † .41       | 8-13-59  | †1.51       |
| 941-211-1   | 6- 3-58  | 12.47       | 10-29-58 | 13.81       | 12-12-58 | 13.57       | 7- 5-60  | 11.43       |
|             | 9-12-58  | 13.07       |          |             |          |             |          |             |
| 941-216-1   | 11-21-57 | 83.30       | 1-20-58  | 83.57       | 5- 6-58  | 81.89       | 12-16-58 | 83.08       |
|             | 12- 9-57 | 83.43       | 2-25-58  | 83.63       | 10-29-58 | 83.12       |          |             |
| 941-222-2   | 10-22-58 | 121.09      | 3-30-59  | 118.62      | 9-30-59  | 115.97      | 2-22-60  | 116.91      |
|             | 12-11-58 | 120.72      | 6-22-59  | 116.47      | 11- 9-59 | 115.75      | 4-13-60  | 115.60      |
|             | 2- 9-59  | 120.23      | 8-13-59  | 116.45      | 1- 5-60  | 116.06      | 6-30-60  | 116.38      |
| 941-234-1   | 1-28-58  | .78         | 5- 7-58  | † .81       | 12- 9-58 | † .38       | 3-31-59  | †2.37       |
|             | 2-25-58  | 1.11        | 7- 1-58  | †1.34       | 2-10-59  | † .80       |          |             |
| 942-207-1   | 3-21-59  | 16.67       | 8- 4-59  | 17.42       | 11-16-59 | 17.73       | 2-29-60  | 18.42       |
|             | 4- 6-59  | 17.25       | 10- 1-59 | 16.89       | 12-22-59 | 18.83       | 4-21-60  | 17.40       |
|             | 6-25-59  | 17.14       |          |             |          |             |          |             |
| 942-216-1   | 1-20-58  | 91.38       | 5- 6-58  | 89.55       | 7-31-58  | 90.03       | 12-16-58 | 90.93       |
|             | 2-17-58  | 91.16       |          |             |          |             |          |             |
| 942-216-2   | 11-21-57 | 91.85       | 3- 9-58  | 91.02       | 5-11-58  | 90.24       | 7-31-58  | 90.04       |
|             | 1-20-58  | 101.53      |          |             |          |             |          |             |
| 942-221-1   | 4- 2-59  | 2.95        | 8-13-59  | 3.17        | 11-10-59 | 3.34        | 2-23-60  | 3.02        |
|             | 6-24-59  | 3.06        | 9-30-59  | 3.96        | 12-23-59 | 5.15        | 4-20-60  | 2.77        |
| 943-215-1   | 4- 7-59  | 4.19        | 8-14-59  | 3.38        | 11-12-59 | 4.89        | 2-25-60  | 5.96        |
|             | 6- 6-59  | 5.00        | 10- 2-59 | 4.77        | 12-23-59 | 6.15        | 4-21-60  | 5.08        |
| 945-205-1   | 6-27-58  | 4.76        | 2-13-59  | 3.69        | 8-14-59  | 2.76        | 12-23-59 | 3.36        |
|             | 9-11-58  | 4.39        | 4- 7-59  | 2.13        | 10- 1-59 | 2.27        | 2-25-60  | 3.56        |
|             | 10-28-58 | 4.86        | 6-25-59  | 2.49        | 11-16-59 | 2.84        | 4-21-60  | 2.69        |
|             | 12-11-58 | 4.38        |          |             |          |             |          |             |
| 945-237-1   | 8-12-58  | 3.09        | 10-24-58 | 3.67        | 2-10-59  | 3.32        | 6-23-59  | † .77       |
|             | 9-10-58  | 3.21        | 12- 9-58 | 4.03        | 4- 1-59  | † .47       |          |             |
| 946-206-1   | 6- 3-58  | 87.60       | 2-13-59  | 87.88       | 10- 1-59 | 84.87       | 2-25-60  | 85.56       |
|             | 9-11-58  | 88.13       | 4- 7-59  | 86.11       | 11-16-59 | 84.85       | 4-21-60  | 84.59       |
|             | 10-29-58 | 88.78       | 6-25-59  | 85.22       | 12-23-59 | 85.31       | 7- 5-60  | 85.19       |
|             | 12-11-58 | 88.49       | 8-14-59  | 85.38       |          |             |          |             |

Table 3.--Continued

| Well number | Date      | Water level | Date     | Water level | Date     | Water level | Date     | Water level |       |
|-------------|-----------|-------------|----------|-------------|----------|-------------|----------|-------------|-------|
| 946-211-1   | 4-7-59    | 5.73        | 8-14-59  | 4.44        | 11-12-59 | 6.15        | 2-25-60  | 4.85        |       |
|             | 6-25-59   | 5.42        | 10-2-59  | 6.65        | 12-23-59 | 6.99        | 4-21-60  | 6.90        |       |
| 946-218-1   | 5-15-58   | 7.58        | 12-11-58 | 7.10        | 8-17-59  | 8.13        | 12-23-59 | 8.06        |       |
|             | 7-8-58    | 7.22        | 2-12-59  | 6.34        | 9-30-59  | 7.83        | 2-23-60  | 8.07        |       |
|             | 9-12-58   | 7.57        | 4-2-59   | 5.76        | 11-10-59 | 6.73        | 4-20-60  | 8.73        |       |
|             | 10-28-58  | 8.27        | 6-24-59  | 7.37        |          |             |          |             |       |
| 946-218-2   | 5-15-58   | 88.79       | 12-11-58 | 89.83       | 8-17-59  | 85.95       | 2-23-60  | 87.35       |       |
|             | 7-8-58    | 89.13       | 2-12-59  | 89.39       | 9-30-59  | 86.38       | 4-20-60  | 86.95       |       |
|             | 9-12-58   | 88.85       | 4-2-59   | 86.99       | 11-10-59 | 86.31       | 6-30-60  | 87.83       |       |
|             | 10-28-58  | 89.58       | 6-24-59  | 86.17       | 12-23-59 | 86.74       |          |             |       |
| 946-226-1   | 10-29-57  | 7.60        | 5-5-58   | 5.88        | 2-10-59  | 5.73        | 11-9-59  | 5.44        |       |
|             | 11-19-57  | 7.94        | 7-2-58   | 6.38        | 4-1-59   | 4.09        | 1-4-60   | 6.68        |       |
|             | 12-6-57   | 8.09        | 9-10-58  | 6.67        | 6-23-59  | 5.25        | 2-22-60  | 7.40        |       |
|             | 1-20-58   | 7.82        | 10-24-58 | 8.24        | 8-12-59  | 6.27        | 4-19-60  | 5.78        |       |
|             | 2-27-58   | 6.69        | 12-9-58  | 7.68        | 9-28-59  | 6.05        |          |             |       |
|             |           |             |          |             |          |             |          |             |       |
| 946-226-2   | 11-19-57  | 113.92      | 5-25-59  | 108.32      | 10-31-59 | 107.17      | 4-5-60   | 107.52      |       |
|             | 12-6-57   | 113.98      | 5-31-59  | 107.93      | 11-5-59  | 107.13      | 4-10-60  | 107.46      |       |
|             | 1-20-58   | 113.76      | 6-5-59   | 107.70      | 11-10-59 | 107.17      | 4-20-60  | 107.32      |       |
|             | 2-27-58   | 113.53      | 6-10-59  | 107.53      | 11-15-59 | 107.06      | 4-25-60  | 107.15      |       |
|             | 5-5-58    | 111.95      | 6-15-59  | 107.42      | 11-20-59 | 107.04      | 4-30-60  | 107.33      |       |
|             | 7-2-58    | 111.89      | 6-20-59  | 107.28      | 11-25-59 | 106.92      | 5-5-60   | 107.38      |       |
|             | 9-10-58   | 111.56      | 6-25-59  | 107.27      | 11-30-59 | 107.36      | 5-10-60  | 107.29      |       |
|             | 10-25-58  | 111.77      | 6-30-59  | 107.16      | 12-5-59  | 107.17      | 5-15-60  | 107.47      |       |
|             | 10-31-58  | 111.83      | 7-5-59   | 107.17      | 12-10-59 | 107.33      | 5-20-60  | 107.55      |       |
|             | 11-5-58   | 111.93      | 7-10-59  | 107.26      | 12-15-59 | 107.46      | 5-25-60  | 107.57      |       |
|             | 11-15-58  | 112.02      | 7-15-59  | 107.22      | 12-20-59 | 107.58      | 5-31-60  | 107.57      |       |
|             | 11-20-58  | 112.00      | 7-20-59  | 107.22      | 12-25-59 | 107.57      | 6-5-60   | 107.68      |       |
|             | 11-25-58  | 111.98      | 7-25-59  | 107.20      | 12-31-59 | 107.76      | 6-10-60  | 107.93      |       |
|             | 11-30-58  | 112.22      | 7-31-59  | 107.14      | 1-5-60   | 107.74      | 6-15-60  | 107.90      |       |
|             | 12-5-58   | 112.13      | 8-5-59   | 107.24      | 1-10-60  | 107.84      | 6-20-60  | 107.98      |       |
|             | 12-10-58  | 112.14      | 8-10-59  | 107.38      | 1-15-60  | 107.72      | 6-25-60  | 108.06      |       |
|             | 12-15-58  | 112.22      | 8-15-59  | 107.48      | 1-20-60  | 108.07      | 6-30-60  | 108.12      |       |
|             | 12-20-58  | 112.18      | 8-20-59  | 107.47      | 1-25-60  | 108.13      | 7-5-60   | 108.16      |       |
|             | 12-25-58  | 112.25      | 8-25-59  | 107.52      | 1-31-60  | 108.02      | 7-10-60  | 108.22      |       |
|             | 12-31-58  | 112.18      | 8-31-59  | 107.57      | 2-5-60   | 108.11      | 7-15-60  | 108.34      |       |
|             | 2-15-59   | 111.55      | 9-5-59   | 107.65      | 2-10-60  | 108.12      | 7-20-60  | 108.41      |       |
|             | 4-3-59    | 109.38      | 9-10-59  | 107.65      | 2-15-60  | 108.51      | 7-25-60  | 108.38      |       |
|             | 4-10-59   | 109.04      | 9-15-59  | 107.69      | 2-20-60  | 108.65      | 7-31-60  | 108.42      |       |
|             | 4-15-59   | 108.99      | 9-20-59  | 107.79      | 2-25-60  | 108.33      | 8-5-60   | 108.35      |       |
|             | 4-20-59   | 108.89      | 9-25-59  | 107.59      | 2-29-60  | 108.63      | 8-10-60  | 108.18      |       |
|             | 4-25-59   | 108.74      | 9-30-59  | 107.60      | 3-5-60   | 108.75      | 8-15-60  | 108.07      |       |
|             | 4-30-59   | 108.45      | 10-5-59  | 107.67      | 3-10-60  | 108.47      | 8-20-60  | 108.01      |       |
|             | 5-3-59    | 108.46      | 10-10-59 | 107.70      | 3-15-60  | 108.40      | 8-25-60  | 107.94      |       |
|             | 5-10-59   | 108.49      | 10-15-59 | 107.57      | 3-20-60  | 108.54      |          |             |       |
|             | 5-15-59   | 108.44      | 10-20-59 | 107.41      | 3-25-60  | 108.09      |          |             |       |
|             | 5-20-59   | 108.51      | 10-25-59 | 107.14      | 3-31-60  | 107.69      |          |             |       |
|             | 946-228-1 | 2-4-58      | 67.04    | 5-7-58      | 64.86    | 7-28-58     | 64.82    | 6-30-60     | 62.29 |
|             |           | 2-27-58     | 66.90    | 6-11-58     | 64.99    | 12-9-58     | 65.88    |             |       |
| 947-210-2   | 4-16-58   | 9.18        | 7-8-58   | 10.15       | 10-29-58 | 13.90       | 12-11-58 | 11.37       |       |
|             | 5-9-58    | 10.86       | 9-11-58  | 12.65       |          |             |          |             |       |
| 948-229-1   | 4-20-59   | 6.75        | 8-12-59  | 7.28        | 11-9-59  | 7.04        | 2-22-60  | 9.14        |       |
|             | 6-23-59   | 7.28        | 9-28-59  | 7.23        | 1-4-60   | 8.47        | 4-19-60  | 7.16        |       |
| 948-231-2   | 1-20-58   | 63.60       | 12-10-58 | 64.13       | 8-12-59  | 61.28       | 2-22-60  | 62.56       |       |
|             | 7-2-58    | 63.37       | 2-11-59  | 63.02       | 9-28-59  | 60.73       | 4-19-60  | 61.43       |       |
|             | 9-10-58   | 63.46       | 4-1-59   | 57.90       | 11-9-59  | 60.40       | 6-30-60  | 62.19       |       |
|             | 10-24-58  | 63.94       | 6-23-59  | 59.09       | 1-4-60   | 62.20       |          |             |       |
| 949-213-1   | 10-24-57  | 30.47       | 2-27-58  | 30.74       | 7-2-58   | 29.89       | 12-9-58  | 30.56       |       |
|             | 1-4-58    | 30.9        | 5-8-58   | 29.56       | 10-24-58 | 30.38       | 6-30-60  | 29.20       |       |
|             | 1-20-58   | 30.85       |          |             |          |             |          |             |       |

Table 5.--Continued

| Well number     | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|-----------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 949-236-1       | 2-14-58  | 9.73        | 10-24-58 | 9.23        | 6-23-59  | 6.53        | 1- 4-60  | 8.14        |
|                 | 3-28-58  | 8.56        | 12- 9-58 | 9.39        | 8-12-59  | 7.75        | 2-22-60  | 8.40        |
|                 | 5- 8-58  | 8.40        | 2-11-59  | 8.74        | 9-28-59  | 7.49        | 4-19-60  | 7.32        |
|                 | 7- 2-58  | 8.77        | 4- 1-59  | 5.05        | 11- 9-59 | 7.74        | 6-30-60  | 8.12        |
| 9-10-58         | 8.90     |             |          |             |          |             |          |             |
| 950-220-1       | 2-12-59  | 3.22        | 8-17-59  | 4.00        | 11-10-59 | 3.85        | 2-23-60  | 3.93        |
|                 | 4- 2-59  | 2.73        | 9-30-59  | 4.53        | 12-23-59 | 4.84        | 4-20-60  | 4.63        |
|                 | 6-23-59  | 3.85        |          |             |          |             |          |             |
| 950-235-1       | 3-12-58  | 32.18       | 7- 2-58  | 32.50       | 10-24-58 | 32.98       | 6-30-60  | 31.84       |
|                 | 5- 8-58  | 32.10       | 9-10-58  | 32.62       | 12- 9-58 | 33.14       |          |             |
| 950-236-2       | 8- 1-57  | 33.55       | 5- 8-58  | 32.02       | 9-10-58  | 32.52       | 12- 9-58 | 33.04       |
|                 | 4- 3-58  | 32.10       | 7- 2-58  | 32.39       | 10-24-58 | 32.88       | 6-30-60  | 31.79       |
| 951-224-1       | 4- 2-59  | 2.87        | 8-13-59  | 4.64        | 11-10-59 | 4.61        | 2-23-60  | 5.72        |
|                 | 6-24-59  | 4.55        | 9-29-59  | 4.73        | 12-23-59 | 5.60        | 4-19-60  | 4.81        |
| 951-224-2       | 3-11-58  | 91.76       | 10-28-58 | 90.37       | 6-24-59  | 86.76       | 12-23-59 | 86.74       |
|                 | 5- 9-58  | 90.65       | 12-17-58 | 90.40       | 8-13-59  | 86.66       | 2-23-60  | 87.47       |
|                 | 7- 7-58  | 90.58       | 2-12-59  | 90.15       | 9-29-59  | 86.38       | 4-19-60  | 86.25       |
| 9-12-58         | 89.93    | 4- 2-59     | 87.86    | 11-10-59    | 86.46    | 6-30-60     | 87.04    |             |
| 951-234-1       | 2-14-58  | † .23       | 5- 8-58  | †1.64       | 7- 2-58  | †1.15       | 12- 9-58 | † .52       |
|                 | 2-27-58  | † .32       |          |             |          |             |          |             |
| 951-235-2       | 6- 1-57  | 14.70       | 5- 8-58  | 20.11       | 9-10-58  | 20.80       | 12-10-58 | 21.22       |
|                 | 4- 3-58  | 19.81       | 7- 2-58  | 20.65       | 10-24-58 | 21.20       | 6-30-60  | 20.18       |
| Bradford County |          |             |          |             |          |             |          |             |
| 945-203-1       | 6-25-58  | 12.70       | 12-12-58 | 13.24       | 5-27-59  | 9.06        | 11-16-59 | 8.14        |
|                 | 9- 8-58  | 12.88       | 2-16-59  | 12.65       | 6-25-59  | 9.32        | 12-22-59 | 8.80        |
|                 | 10- 1-58 | 13.23       | 4- 8-59  | 10.40       | 8- 6-59  | 8.71        | 2-29-60  | 8.78        |
|                 | 10-29-58 | 13.43       | 5-27-59  | 9.07        | 10- 1-59 | 7.79        | 4-21-60  | 8.65        |
| 945-203-2       | 6-25-58  | 16.50       | 12-12-58 | 17.38       | 5-27-59  | 13.14       | 8- 6-59  | 11.53       |
|                 | 9- 8-58  | 16.93       | 2-16-59  | 16.90       | 5-27-59  | 13.10       | 10- 1-59 | 9.45        |
|                 | 10-29-58 | 17.40       | 4- 8-59  | 14.25       | 6-25-59  | 12.44       |          |             |
| 945-203-3       | 6-27-58  | 25.46       | 2-16-59  | 26.02       | 8- 6-59  | 20.36       | 12-22-59 | 19.54       |
|                 | 9- 8-58  | 25.76       | 4- 8-59  | 24.25       | 10- 1-59 | 18.29       | 2-29-60  | 21.24       |
|                 | 10-29-58 | 26.22       | 5-27-59  | 22.69       | 11-16-59 | 18.50       | 4-21-60  | 19.80       |
|                 | 12-12-58 | 26.52       | 6-25-59  | 21.63       |          |             |          |             |
| 945-203-4       | 6-23-58  | 23.49       | 2-16-59  | 23.95       | 8- 6-59  | 18.31       | 12-22-59 | 17.45       |
|                 | 9- 8-58  | 23.69       | 4- 8-59  | 22.40       | 10- 1-59 | 16.20       | 2-29-60  | 19.19       |
|                 | 10-29-58 | 24.18       | 5-27-59  | 20.64       | 11-16-59 | 16.39       | 4-21-60  | 17.70       |
|                 | 12-12-58 | 24.50       | 6-25-59  | 19.50       |          |             |          |             |
| 948-203-1       | 3-10-59  | 35.6        | 10- 1-59 | 24.85       | 4-21-60  | 25.25       | 8-22-60  | 24.19       |
|                 | 4- 7-59  | 28.70       | 11-12-59 | 25.98       | 7-18-60  | 25.65       | 9-12-60  | 24.57       |
|                 | 6-29-59  | 27.39       | 12-22-59 | 26.92       | 7-29-60  | 25.59       | 10-17-60 | 22.87       |
|                 | 8-14-59  | 27.94       | 2-29-60  | 27.75       |          |             |          |             |
| 950-203-1       | 4- 6-59  | 5.80        | 8-14-59  | 7.44        | 11-12-59 | 7.75        | 2-25-60  | 10.20       |
|                 | 6-29-59  | 6.44        | 9-30-59  | 6.54        | 12-22-59 | 9.66        | 4-20-60  | 7.91        |
| 950-213-1       | 7- 7-59  | 70.15       | 9-30-59  | 70.50       | 12-23-59 | 71.29       | 4-20-60  | 70.11       |
|                 | 8-14-59  | 70.48       | 11-12-59 | 70.57       | 2-23-60  | 71.55       | 6-24-60  | 71.66       |
| 951-214-1       | 2-19-59  | 5.8         | 8-14-59  | 8.45        | 11-12-59 | 6.90        | 2-23-60  | 11.30       |
|                 | 4- 7-59  | 5.70        | 9-30-59  | 7.89        | 12-23-59 | 9.72        | 4-20-60  | 7.55        |
|                 | 6-24-59  | 6.68        |          |             |          |             |          |             |
| 952-204-1       | 9-18-59  | 87.94       | 9-30-59  | 86.84       | 12-22-59 | 86.50       | 4-20-60  | 85.87       |
|                 | 9-24-59  | 85.88       | 11-12-59 | 86.26       | 2-25-60  | 86.65       | 6-28-60  | 86.61       |

Table 3.--Continued

| Well number | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 953-205-1   | 4- 7-59  | 11.13       | 8-14-59  | 13.54       | 11-12-59 | 7.45        | 2-25-60  | 7.69        |
|             | 8-29-59  | 11.87       | 9-30-59  | 7.89        | 12-22-59 | 8.49        | 4-20-60  | 9.13        |
| 953-210-1   | 4- 7-59  | 2.93        | 8-14-59  | 4.43        | 11-12-59 | 2.84        | 2-23-60  | 2.96        |
|             | 6-24-59  | 3.85        | 9-30-59  | 3.64        | 12-23-59 | 3.88        | 4-20-60  | 2.93        |
| 956-205-1   | 4- 6-59  | 16.83       | 8-17-59  | 16.71       | 11-12-59 | 16.00       | 2-26-60  | 16.77       |
|             | 6-24-59  | 16.54       | 9-30-59  | 16.21       | 12-22-59 | 16.49       | 4-20-60  | 16.89       |
| 956-206-3   | 5- 5-58  | 28.60       | 9-11-58  | 28.82       | 11- 7-58 | 28.97       | 2-13-59  | 27.00       |
|             | 7- 8-58  | 29.33       | 10- 7-58 | 29.16       | 12-18-58 | 27.64       | 4- 7-59  | 25.20       |
|             | 8-11-58  | 28.69       |          |             |          |             |          |             |
| 956-208-1   | 12-12-57 | 13.67       | 9-11-58  | 12.73       | 4- 2-59  | 8.96        | 11-12-59 | 11.43       |
|             | 1-20-58  | 12.98       | 10-28-58 | 13.64       | 6-24-59  | 10.36       | 12-23-59 | 12.61       |
|             | 2-27-58  | 11.56       | 12-18-58 | 11.93       | 8-17-59  | 12.32       | 2-25-60  | 11.49       |
|             | 3- 9-58  | 11.13       | 2-13-59  | 10.72       | 9-30-59  | 10.66       | 4-20-60  | 10.34       |
|             | 7- 8-58  | 10.64       |          |             |          |             |          |             |
| 958-213-1   | 9-11-58  | 8.17        | 10-28-58 | 9.04        | 12-17-58 | 6.89        |          |             |
| 958-211-2   | 4- 2-59  | 4.48        | 8-17-59  | 5.39        | 11-12-59 | 5.35        | 2-25-60  | 4.74        |
|             | 6-24-59  | 5.74        | 9-30-59  | 5.53        | 12-23-59 | 6.02        | 4-20-60  | 5.73        |
| 000-210-1   | 4- 6-59  | 4.28        | 9-30-59  | 4.67        | 12-23-59 | 5.26        | 4-20-60  | 4.75        |
|             | 8-17-59  | 5.06        | 11-12-59 | 4.70        | 2-25-60  | 4.31        |          |             |
| 000-210-2   | 6-17-59  | 70.35       | 9-30-59  | 71.20       | 12-23-59 | 71.91       | 4-20-60  | 70.58       |
|             | 6-24-59  | 70.52       | 11-12-59 | 71.32       | 2-25-60  | 71.86       | 6-28-60  | 72.28       |
|             | 8-17-59  | 71.09       |          |             |          |             |          |             |
| Clay County |          |             |          |             |          |             |          |             |
| 943-202-1   | 4- 6-59  | 7.86        | 8- 4-59  | 8.25        | 11-16-59 | 7.10        | 2-29-60  | 8.83        |
|             | 6-25-59  | 8.59        | 10- 1-59 | 6.63        | 12-22-59 | 8.07        | 4-21-60  | 7.68        |
| 943-202-3   | 5-11-60  | 88.76       | 6-27-60  | 89.36       | 8-22-60  | 88.52       | 9-12-60  | 88.06       |
| 945-201-2   | 3-24-60  | 32.04       | 4-21-60  | 33.97       | 6-27-60  | 34.69       | 8-22-60  | 33.56       |
| 940-159-1   | 3-11-59  | 34.10       | 8- 4-59  | 29.10       | 11-13-59 | 27.04       | 2-29-60  | 29.95       |
|             | 4- 6-59  | 30.29       | 10- 1-59 | 26.30       | 12-21-59 | 28.05       | 4-22-60  | 28.99       |
|             | 6-26-59  | 29.15       |          |             |          |             |          |             |
| 940-159-4   | 3-22-60  | 40.54       | 4-22-60  | 41.27       | 8-22-60  | 42.04       | 9-12-60  | 41.46       |
| 946-202-1   | 6-26-58  | 6.68        | 10-29-58 | 6.95        | 2-16-59  | 6.76        | 5-27-59  | 5.60        |
|             | 9- 8-58  | 6.73        | 12-12-58 | 6.93        | 4- 8-59  | 5.93        | 5-27-59  | 5.53        |
| 946-202-2   | 6-18-58  | 20.70       | 12-12-58 | 21.82       | 5-27-59  | 18.07       | 11-16-59 | 15.80       |
|             | 7-25-58  | 20.62       | 2-16-59  | 21.37       | 6-25-59  | 17.50       | 12-22-59 | 16.35       |
|             | 9- 8-58  | 20.94       | 4- 8-59  | 18.55       | 8- 6-59  | 17.52       | 2-29-60  | 17.10       |
|             | 10-29-58 | 21.64       | 5-27-59  | 18.10       | 10- 1-59 | 15.72       | 4-21-60  | 15.54       |
| 946-202-3   | 6-25-58  | 29.97       | 2-16-59  | 29.92       | 6-25-59  | 25.63       | 12-22-59 | 23.28       |
|             | 9- 8-58  | 30.00       | 4- 7-59  | 28.07       | 8- 6-59  | 25.16       | 2-29-60  | 23.71       |
|             | 10-29-58 | 30.34       | 5-27-59  | 27.34       | 10- 1-59 | 23.07       | 4-21-60  | 21.33       |
|             | 12-12-58 | 30.41       | 5-27-59  | 27.32       | 11-16-59 | 22.82       |          |             |
| 947-200-3   | 2-18-60  | 48.72       | 5-17-60  | 47.22       | 7-18-60  | 47.89       | 9-12-60  | 46.65       |
|             | 3-31-60  | 48.37       | 6- 6-60  | 47.85       | 7-29-60  | 47.71       | 10-17-60 | 45.74       |
|             | 3- 2-60  | 47.81       | 6-21-60  | 47.99       | 8-22-60  | 47.18       |          |             |
| 947-201-3   | 6-17-58  | 18.50       | 10-29-58 | 23.05       | 5-27-59  | 18.20       | 11-16-59 | 9.30        |
|             | 6-19-58  | 22.75       | 12-12-58 | 23.19       | 6-25-59  | 16.39       | 12-22-59 | 9.23        |
|             | 6-20-58  | 23.03       | 2-16-59  | 22.60       | 8- 6-59  | 14.70       | 2-26-60  | 9.45        |
|             | 9- 8-58  | 22.44       | 4- 7-59  | 20.18       | 10- 1-59 | 10.86       | 4-21-60  | 7.36        |

Table 5.--Continued

| Well Number | Date       | Water level | Date     | Water level | Date    | Water level | Date     | Water level |
|-------------|------------|-------------|----------|-------------|---------|-------------|----------|-------------|
| 947-201-4   | 8-10-59    | 66.40       | 10-20-59 | 65.40       | 1-31-60 | 66.11       | 4-20-60  | 65.45       |
|             | 8-15-59    | 66.49       | 10-25-59 | 65.24       | 2-10-60 | 66.25       | 4-25-60  | 65.40       |
|             | 8-20-59    | 66.56       | 10-31-59 | 65.51       | 2-15-60 | 66.50       | 5-20-60  | 65.58       |
|             | 8-25-59    | 66.66       | 11-20-59 | 65.66       | 2-20-60 | 66.60       | 6- 1-60  | 66.08       |
|             | 8-31-59    | 66.38       | 11-25-59 | 65.55       | 2-25-60 | 66.25       | 6-27-60  | 66.37       |
|             | 9- 5-59    | 66.33       | 12-15-59 | 65.87       | 3- 5-60 | 66.31       | 7-18-60  | 66.08       |
|             | 9-10-59    | 66.25       | 12-20-59 | 65.86       | 3-10-60 | 66.17       | 7-29-60  | 65.79       |
|             | 9-15-59    | 66.02       | 12-25-59 | 65.89       | 3-15-60 | 66.25       |          |             |
|             | 9-20-59    | 65.85       | 12-31-59 | 66.05       | 3-20-60 | 65.80       |          |             |
|             | 9-25-59    | 65.69       | 1- 5-60  | 66.02       | 3-25-60 | 65.61       |          |             |
|             | 9-30-59    | 65.57       | 1-10-60  | 66.06       | 3-31-60 | 65.40       |          |             |
|             | 10- 5-59   | 65.62       | 1-15-60  | 66.08       | 4- 5-60 | 65.36       |          |             |
|             | 10-10-59   | 65.55       | 1-20-60  | 66.26       | 4-10-60 | 65.37       |          |             |
|             | 10-15-59   | 65.38       | 1-25-60  | 66.24       | 4-15-60 | 65.44       |          |             |
|             | 947-201-14 | 2-26-60     | 27.60    | 5-17-60     | 27.77   | 7-18-60     | 28.03    | 9-12-60     |
| 3-31-60     |            | 27.75       | 6- 3-60  | 28.05       | 7-29-60 | 27.82       | 10-17-60 | 26.69       |
| 5- 2-60     |            | 27.59       | 6-20-60  | 28.35       | 8-22-60 | 27.42       |          |             |
| 947-201-15  | 2-26-60    | 26.23       | 5-17-60  | 24.55       | 7-18-60 | 24.92       | 9-12-60  | 24.08       |
|             | 3-31-60    | 25.40       | 6- 3-60  | 24.75       | 7-29-60 | 24.76       | 10-17-60 | 23.35       |
|             | 5- 2-60    | 24.44       | 6-20-60  | 25.09       | 8-22-60 | 24.11       |          |             |
| 947-201-16  | 3-31-60    | 48.10       | 6- 6-60  | 48.00       | 7-29-60 | 47.48       | 9-12-60  | 46.50       |
|             | 5- 2-60    | 47.73       | 6-20-60  | 48.14       | 8-22-60 | 46.85       | 10-17-60 | 45.71       |
|             | 5-17-60    | 47.82       | 7-18-60  | 47.79       |         |             |          |             |
| 947-201-17  | 3-31-60    | 36.07       | 6- 6-60  | 34.78       | 7-29-60 | 34.13       | 9-12-60  | 33.37       |
|             | 5- 2-60    | 35.28       | 6-20-60  | 34.84       | 8-22-60 | 33.31       | 10-17-60 | 32.24       |
|             | 5-17-60    | 34.98       | 7-18-60  | 34.50       |         |             |          |             |
| 947-201-18  | 4-12-60    | 27.22       | 7-18-60  | 27.44       | 8-22-60 | 26.87       | 10-17-60 | 26.13       |
|             | 6-20-60    | 27.78       | 7-29-60  | 27.26       | 9-12-60 | 26.52       |          |             |
| 947-202-11  | 3-22-60    | 36.04       | 6- 6-60  | 34.43       | 7-29-60 | 33.98       | 9-12-60  | 32.65       |
|             | 5- 2-60    | 34.60       | 6-20-60  | 36.35       | 8-22-60 | 32.82       | 10-17-60 | 30.92       |
|             | 5-16-60    | 34.15       | 7-18-60  | 34.83       |         |             |          |             |
| 947-202-12  | 3-22-60    | 26.86       | 6- 6-60  | 23.43       | 7-29-60 | 23.13       | 9-12-60  | 21.58       |
|             | 5- 2-60    | 23.68       | 6-20-60  | 23.92       | 8-22-60 | 21.07       | 10-17-60 | 19.85       |
|             | 5-16-60    | 23.03       | 7-18-60  | 23.96       |         |             |          |             |
| 947-202-13  | 4-28-60    | 30.19       | 6-20-60  | 30.74       | 7-29-60 | 31.33       | 9-12-60  | 31.50       |
|             | 5-16-60    | 32.86       | 7-18-60  | 31.30       | 8-22-60 | 31.66       | 10-17-60 | 31.21       |
|             | 6- 6-60    | 33.28       |          |             |         |             |          |             |
| 947-202-14  | 3-10-60    | 9.70        | 5-16-60  | 8.66        | 7-18-60 | 8.90        | 9-12-60  | 8.00        |
|             | 3-22-60    | 9.00        | 6- 6-60  | 9.16        | 7-29-60 | 8.77        | 10-17-60 | 7.93        |
|             | 4-28-60    | 8.35        | 6-20-60  | 9.39        | 8-22-60 | 8.48        |          |             |
| 947-202-15  | 3-15-60    | 32.72       | 5-16-60  | 31.67       | 7-18-60 | 24.30       | 9-12-60  | 23.48       |
|             | 3-31-60    | 32.85       | 6- 6-60  | 24.72       | 7-29-60 | 24.16       | 10-17-60 | 23.44       |
|             | 5- 2-60    | 31.78       | 6-20-60  | 24.92       | 8-22-60 | 23.97       |          |             |
| 947-202-16  | 3-15-60    | 13.03       | 6- 6-60  | 12.54       | 7-29-60 | 11.74       | 9-12-60  | 10.87       |
|             | 3-31-60    | 12.14       | 6-20-60  | 12.72       | 8-22-60 | 11.69       | 10-17-60 | 11.63       |
|             | 5-16-60    | 11.99       | 7-18-60  | 11.57       |         |             |          |             |
| 947-202-17  | 3-21-60    | 38.14       | 5-17-60  | 34.74       | 7-18-60 | 34.28       | 9-12-60  | 32.93       |
|             | 3-31-60    | 34.85       | 6- 6-60  | 34.84       | 7-27-60 | 33.95       | 10-17-60 | 32.04       |
|             | 5- 2-60    | 34.65       | 6-20-60  | 34.89       | 8-22-60 | 33.54       |          |             |
| 947-202-18  | 5-18-60    | 37.93       | 7-18-60  | 37.52       | 8-22-60 | 36.85       | 10-17-60 | 35.56       |
|             | 6-20-60    | 37.80       | 7-29-60  | 37.12       | 9-12-60 | 36.15       |          |             |
| 947-202-19  | 5-30-60    | 40.09       | 7-18-60  | 35.77       | 8-22-60 | 33.37       | 10-17-60 | 32.61       |
|             | 6-20-60    | 38.02       | 7-29-60  | 35.28       | 9-12-60 | 32.74       |          |             |
| 947-202-21  | 7-18-60    | 10.75       | 8-22-60  | 10.52       | 9-12-60 | 9.86        | 10-17-60 | 10.00       |
|             | 7-29-60    | 10.62       |          |             |         |             |          |             |

Table 5.--Continued

| Well number | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 948-155-1   | 6-26-58  | 13.78       | 2-16-59  | 15.25       | 8- 4-59  | 12.59       | 12-21-59 | 13.27       |
|             | 10-29-58 | 16.03       | 4- 7-59  | 12.25       | 10- 1-59 | 11.45       | 2-29-60  | 14.10       |
|             | 12-12-58 | 16.15       | 6-26-59  | 12.63       | 11-13-59 | 11.90       | 4-22-60  | 12.50       |
| 948-200-1   | 2-25-59  | 42.15       | 8- 6-59  | 37.98       | 2-26-60  | 36.49       | 7-29-60  | 35.22       |
|             | 4- 6-59  | 39.97       | 10- 1-59 | 37.08       | 4-21-60  | 35.48       | 8-22-60  | 34.42       |
|             | 5-27-59  | 38.93       | 11-16-59 | 36.18       | 7-18-60  | 35.25       | 9-12-60  | 33.86       |
|             | 6-25-59  | 38.39       | 12-21-59 | 36.17       |          |             |          |             |
| 948-200-4   | 2-24-60  | 42.60       | 5-17-60  | 41.07       | 7-18-60  | 41.78       | 9-12-60  | 40.36       |
|             | 3-23-60  | 42.08       | 6- 3-60  | 41.14       | 7-29-60  | 41.60       | 10-17-60 | 39.25       |
|             | 4-28-60  | 41.04       | 6-21-60  | 41.93       | 8-22-60  | 40.87       |          |             |
| 948-200-5   | 3-22-60  | 38.44       | 5-17-60  | 37.02       | 7-18-60  | 37.28       | 9-12-60  | 35.78       |
|             | 3-23-60  | 38.36       | 6- 3-60  | 37.15       | 7-29-60  | 37.21       | 10-17-60 | 34.31       |
|             | 4-28-60  | 37.13       | 6-21-60  | 37.41       | 8-22-60  | 36.17       |          |             |
| 948-200-6   | 3-22-60  | 37.83       | 5-17-60  | 38.53       | 7-18-60  | 38.89       | 9-12-60  | 37.49       |
|             | 3-23-60  | 38.13       | 6- 3-60  | 38.77       | 7-29-60  | 38.81       | 10-17-60 | 36.05       |
|             | 4-28-60  | 37.98       | 6-21-60  | 38.99       | 8-22-60  | 37.86       |          |             |
| 948-200-7   | 5-18-60  | 41.00       | 7-18-60  | 41.33       | 8-22-60  | 40.41       | 10-17-60 | 38.80       |
|             | 6-21-60  | 41.45       | 7-29-60  | 41.15       | 9-12-60  | 39.90       |          |             |
| 948-201-7   | 2-18-60  | 52.36       | 5-17-60  | 51.68       | 7-18-60  | 52.02       | 9-12-60  | 50.63       |
|             | 3-21-60  | 51.89       | 6- 3-60  | 52.13       | 7-29-60  | 51.71       | 10-17-60 | 49.98       |
|             | 4-28-60  | 51.42       | 6-20-60  | 52.30       | 8-22-60  | 51.22       |          |             |
| 948-201-8   | 2-18-60  | 26.52       | 5-17-60  | 25.03       | 7-18-60  | 25.23       | 9-12-60  | 24.27       |
|             | 3-21-60  | 26.21       | 6- 3-60  | 25.15       | 7-29-60  | 24.99       | 10-17-60 | 23.65       |
|             | 4-28-60  | 25.00       | 6-20-60  | 25.43       | 8-22-60  | 24.25       |          |             |
| 948-201-9   | 2-19-60  | 49.12       | 5-17-60  | 47.43       | 7-18-60  | 47.52       | 9-12-60  | 46.66       |
|             | 3-21-60  | 49.07       | 6- 3-60  | 47.24       | 7-29-60  | 47.48       | 10-17-60 | 45.68       |
|             | 5- 2-60  | 47.71       | 6-20-60  | 47.31       | 8-22-60  | 47.14       |          |             |
| 948-201-10  | 2-19-60  | 45.60       | 5-17-60  | 43.82       | 7-18-60  | 44.07       | 9-12-60  | 43.16       |
|             | 3-21-60  | 45.36       | 6- 3-60  | 43.47       | 7-29-60  | 43.87       | 10-17-60 | 42.15       |
|             | 5- 2-60  | 44.28       | 6-20-60  | 43.42       | 8-22-60  | 43.69       |          |             |
| 948-201-11  | 3- 2-60  | 20.76       | 5-17-60  | 19.19       | 7-18-60  | 19.30       | 9-12-60  | 17.90       |
|             | 3-22-60  | 20.21       | 6- 3-60  | 19.37       | 7-29-60  | 19.08       | 10-17-60 | 17.49       |
|             | 4-28-60  | 19.06       | 6-20-60  | 19.54       | 8-20-60  | 18.65       |          |             |
| 948-201-12  | 3- 2-60  | 17.81       | 5-17-60  | 16.07       | 7-18-60  | 15.99       | 9-12-60  | 14.55       |
|             | 3-22-60  | 16.59       | 6- 3-60  | 16.32       | 7-29-60  | 15.91       | 10-17-60 | 14.42       |
|             | 4-28-60  | 15.83       | 6-20-60  | 16.57       | 8-22-60  | 15.38       |          |             |
| 948-201-13  | 7-18-60  | 14.43       | 7-29-60  | 14.20       | 8-22-60  | 14.00       | 10-17-60 | 13.57       |
| 948-202-4   | 3-11-60  | 60.07       | 4-28-60  | 59.18       | 6-20-60  | 58.11       | 8-22-60  | 58.30       |
|             | 3-22-60  | 59.82       | 5-16-60  | 59.73       | 7-18-60  | 58.14       | 9-12-60  | 57.98       |
|             | 4-18-60  | 59.54       | 6- 6-60  | 58.29       | 7-29-60  | 58.12       | 10-17-60 | 57.24       |
| 948-202-5   | 3-17-60  | 55.57       | 4-28-60  | 55.26       | 6-20-60  | 53.62       | 8-22-60  | 54.13       |
|             | 3-22-60  | 55.70       | 5-16-60  | 54.97       | 7-18-60  | 53.62       | 9-12-60  | 53.91       |
|             | 4-18-60  | 55.69       | 6- 6-60  | 53.97       | 7-29-60  | 53.70       | 10-17-60 | 53.10       |
| 948-202-6   | 3-18-60  | 48.76       | 5-16-60  | 47.33       | 7-18-60  | 47.71       | 9-12-60  | 46.54       |
|             | 3-22-60  | 49.44       | 6- 6-60  | 47.67       | 7-29-60  | 47.39       | 10-17-60 | 46.02       |
|             | 4-28-60  | 47.22       | 6-20-60  | 47.89       | 8-22-60  | 47.02       |          |             |
| 948-202-7   | 3-18-60  | 31.63       | 5-16-60  | 30.38       | 7-18-60  | 30.82       | 9-12-60  | 30.02       |
|             | 3-22-60  | 31.69       | 6- 6-60  | 30.52       | 7-29-60  | 30.65       | 10-17-60 | 29.29       |
|             | 4-28-60  | 30.72       | 6-20-60  | 30.77       | 8-22-60  | 30.14       |          |             |
| 948-202-8   | 4-25-60  | 57.46       | 7-18-60  | 57.59       | 8-22-60  | 56.80       | 9-12-60  | 56.36       |
|             | 6-30-60  | 57.73       | 7-29-60  | 57.32       | 8-29-60  | 56.85       | 10-17-60 | 55.78       |

Table 5--Continued

| Well number | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 949-157-1   | 9-23-58  | 17.27       | 6-26-59  | 14.35       | 11-13-59 | 13.39       | 2-26-60  | 14.09       |
|             | 2-16-59  | 17.03       | 8-17-59  | 14.08       | 12-21-59 | 13.76       | 4-22-60  | 13.19       |
|             | 4- 7-59  | 14.94       | 10- 1-59 | 13.36       |          |             |          |             |
| 949-157-6   | 9- 5-58  | 57.55       | 6- 5-59  | 54.82       | 8-15-59  | 54.61       | 10-25-59 | 53.47       |
|             | 10-29-58 | 58.17       | 6-10-59  | 54.86       | 8-20-59  | 54.70       | 10-31-59 | 53.64       |
|             | 12-12-58 | 58.03       | 6-15-59  | 54.85       | 8-25-59  | 54.81       | 11-10-59 | 53.73       |
|             | 4- 8-59  | 55.59       | 6-20-59  | 54.73       | 8-31-59  | 54.50       | 11-15-59 | 53.68       |
|             | 4-15-59  | 55.27       | 6-25-59  | 54.78       | 9- 5-59  | 54.47       | 11-20-59 | 53.95       |
|             | 4-20-59  | 54.94       | 6-30-59  | 54.70       | 9-10-59  | 54.44       | 11-25-59 | 53.79       |
|             | 4-25-59  | 55.07       | 7- 5-59  | 54.64       | 9-15-59  | 54.1        | 11-30-59 | 53.88       |
|             | 4-30-59  | 54.92       | 7-10-59  | 54.83       | 9-20-59  | 54.00       | 12- 5-59 | 53.86       |
|             | 5- 5-59  | 54.97       | 7-15-59  | 54.66       | 9-25-59  | 53.81       | 12-31-59 | 54.27       |
|             | 5-10-59  | 55.10       | 7-20-59  | 54.44       | 9-30-59  | 53.74       | 1- 5-60  | 54.32       |
|             | 5-15-59  | 55.07       | 7-25-59  | 54.49       | 10- 5-59 | 53.76       | 1-10-60  | 54.27       |
|             | 5-20-59  | 55.08       | 7-31-59  | 54.57       | 10-10-59 | 53.71       | 1-15-60  | 54.28       |
|             | 5-25-59  | 54.80       | 8- 5-59  | 54.61       | 10-15-59 | 53.58       | 1-20-60  | 54.45       |
|             | 5-31-59  | 54.82       | 8-10-59  | 54.54       | 10-20-59 | 53.58       | 1-25-60  | 54.52       |
| 949-159-1   | 4- 6-59  | 24.36       | 6-59     | 20.26       | 11-13-59 | 16.93       | 2-26-60  | 22.21       |
|             | 6-25-59  | 22.12       | 10- 1-59 | 14.22       | 12-21-59 | 19.32       | 4-21-60  | 19.10       |
| 949-201-1   | 6-26-58  | 5.22        | 12-12-58 | 5.18        | 8-17-59  | 3.98        | 12-22-59 | 4.26        |
|             | 10- 3-58 | 5.19        | 4- 2-59  | 5.42        | 9-30-59  | 2.85        | 2-26-60  | 4.46        |
|             | 10-30-58 | 5.40        | 6-25-59  | 4.44        | 11-12-59 | 3.50        | 4-20-60  | 4.27        |
| 950-143-1   | 3-16-56  | 15.32       | 3- 5-58  | 7.85        | 7- 9-58  | 9.30        | 10-30-58 | 8.56        |
|             | 1-22-58  | 8.42        | 5-12-58  | 7.76        | 9-15-58  | 8.80        | 12-18-58 | 7.71        |
| 950-155-1   | 4- 6-59  | 2.74        | 8- 4-59  | 2.82        | 11-13-59 | 2.77        | 2-29-60  | 2.39        |
|             | 6-26-59  | 3.34        | 10- 1-59 | 3.45        | 12-21-59 | 3.28        | 4-22-60  | 2.46        |
| 950-157-1   | 9-22-58  | 70.65       | 10-29-58 | 71.29       | 12-12-58 | 71.59       |          |             |
| 951-156-1   | 4- 6-59  | 6.17        | 8- 6-59  | 4.81        | 11-13-59 | 4.19        | 2-26-60  | 5.20        |
|             | 6-26-59  | 4.58        | 10- 1-59 | 3.74        | 12-21-59 | 5.10        | 4-21-60  | 4.50        |
| 951-201-1   | 6-22-58  | 5.69        | 2-13-59  | 5.29        | 8-17-59  | 4.52        | 12-22-59 | 5.24        |
|             | 10-14-58 | 5.94        | 4- 2-59  | 3.83        | 9-30-59  | 4.17        | 2-26-60  | 5.17        |
|             | 10-30-58 | 5.92        | 6-25-59  | 4.25        | 11-12-59 | 4.74        | 4-20-60  | 4.59        |
|             | 12-12-58 | 5.50        |          |             |          |             |          |             |
| 952-201-1   | 6-22-58  | 3.78        | 2-13-59  | 3.25        | 8-17-59  | 2.67        | 12-22-59 | 2.96        |
|             | 10- 2-58 | 3.46        | 4- 2-59  | 2.76        | 9-30-59  | 2.60        | 2-26-60  | 2.92        |
|             | 10-30-58 | 3.54        | 6-25-59  | 2.66        | 11-12-59 | 2.68        | 4-20-60  | 2.87        |
|             | 12-12-58 | 3.26        |          |             |          |             |          |             |
| 953-154-1   | 4- 6-59  | 3.88        | 8- 6-59  | 4.33        | 11-13-59 | 3.86        | 2-26-60  | 3.14        |
|             | 6-25-59  | 4.89        | 10- 1-59 | 4.65        | 12-21-59 | 4.00        | 4-21-60  | 4.48        |
| 955-153-1   | 4- 6-59  | 3.44        | 8- 6-59  | 3.42        | 11-13-59 | 3.88        | 2-26-60  | 4.37        |
|             | 6-25-59  | 4.49        | 10- 1-59 | 4.15        | 12-21-59 | 4.75        | 4-21-60  | 4.57        |
| 956-158-1   | 10-20-58 | 77.08       | 2-13-59  | 77.16       | 8-17-59  | 74.77       | 2-26-60  | 75.35       |
|             | 10-28-58 | 77.44       | 4- 2-59  | 74.70       | 9-30-59  | 74.40       | 4-20-60  | 74.10       |
|             | 12-12-58 | 77.56       | 6-24-59  | 74.67       | 12-22-59 | 74.84       | 6-28-60  | 75.22       |
| 957-200-1   | 7- 8-58  | 48.95       | 12-18-58 | 49.56       | 6-24-59  | 48.53       | 12-22-59 | 48.33       |
|             | 9-15-58  | 50.98       | 2-13-59  | 48.82       | 8-17-59  | 48.97       | 2-26-60  | 48.24       |
|             | 10-28-58 | 48.98       | 4- 2-59  | 47.60       | 11-12-59 | 47.61       | 4-20-60  | 48.16       |
| 957-200-3   | 7- 8-58  | 7.29        | 9-15-58  | 8.64        | 12-18-58 | 8.71        |          |             |
| 957-202-1   | 3-18-59  | 2.80        | 8-17-59  | 2.95        | 11-12-59 | 2.55        | 2-26-60  | 2.47        |
|             | 4- 6-59  | 3.22        | 9-30-59  | 2.35        | 12-22-59 | 2.85        | 4-20-60  | 2.47        |
|             | 6-24-59  | 2.86        |          |             |          |             |          |             |
| 958-139-1   | 1- 5-59  | †16.2       | 6- 3-59  | †14.4       | 10-26-59 | †15.7       | 4-25-60  | †14.6       |
|             | 2-26-59  | †13.8       | 7-24-59  | †13.8       | 1-13-60  | †17.2       | 6-17-60  | †13.0       |
|             | 4-23-59  | †16.5       | 8-31-59  | †13.6       | 3- 4-60  | †16.3       |          |             |

Table 5.--Continued

| Well number  | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|--------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 958-139-2    | 9- 3-56  | †20.0       | 4-23-59  | †13.0       | 8-31-59  | †13.6       | 3- 4-60  | †13.0       |
|              | 1- 5-59  | †13.0       | 6- 3-59  | †14.4       | 10-26-59 | †12.6       | 4-25-60  | †12.8       |
|              | 2-26-59  | †11.2       | 7-24-59  | †11.0       | 1-13-60  | †14.2       | 6-17-60  | †10.4       |
| 958-151-2    | 4- 6-59  | 5.07        | 10- 1-59 | 4.12        | 12-21-59 | 6.43        | 4-21-60  | 6.04        |
|              | 8- 6-59  | 3.77        | 11-13-59 | 5.08        | 2-26-60  | 8.34        |          |             |
| 958-155-2    | 4- 6-59  | 4.66        | 8- 6-59  | 3.53        | 11-13-59 | 3.75        | 2-26-60  | 4.14        |
|              | 6-25-59  | 3.41        | 10- 1-59 | 3.66        | 12-22-59 | 3.90        | 4-21-60  | 4.28        |
| 959-140-1    | 1- 5-59  | †14.9       | 6- 3-59  | †14.8       | 10-26-59 | †14.6       | 4-25-60  | †14.5       |
|              | 2-26-59  | †13.5       | 7-24-59  | †14.0       | 1-13-60  | †15.0       | 6-17-60  | †13.2       |
|              | 4-23-59  | †15.2       | 8-31-59  | †14.2       | 3- 4-60  | †14.4       |          |             |
| 959-200-1    | 4- 6-59  | 2.59        | 8-17-59  | 2.58        | 11-12-59 | 3.10        | 2-26-60  | 3.16        |
|              | 6-24-59  | 2.57        | 9-30-59  | 2.80        | 12-22-59 | 3.19        | 4-20-60  | 2.82        |
| 002-142-1    | 1- 5-59  | †31.3       | 6- 3-59  | †30.8       | 10-26-59 | †31.5       | 4-25-60  | †30.8       |
|              | 2-26-59  | †29.5       | 7-24-59  | †30.4       | 1-13-60  | †31.9       | 6-17-60  | †29.3       |
|              | 4-23-59  | †31.1       | 8-31-59  | †29.6       | 3- 4-60  | †31.9       |          |             |
| 003-151-1    | 8- 7-40  | †41.7       | 4-24-59  | †37.5       | 9- 1-59  | †36.6       | 3- 7-60  | †36.4       |
|              | 1- 5-59  | †34.0       | 6- 3-59  | †37.5       | 10-21-59 | †37.4       | 4-28-60  | †37.8       |
|              | 2-27-59  | †35.2       | 7-22-59  | †37.1       | 1- 7-60  | †36.8       | 6-15-60  | †36.0       |
| 006-149-1    | 1- 5-59  | †25.9       | 6- 3-59  | †27.4       | 10-21-59 | †27.0       | 4-28-60  | †27.4       |
|              | 2-27-59  | †25.7       | 7-22-59  | †26.7       | 1- 7-60  | †26.8       | 6-15-60  | †25.8       |
|              | 4-24-59  | †27.8       | 9- 1-59  | †26.5       | 3- 7-60  | †26.5       |          |             |
| 006-149-2    | 1- 5-59  | †24.0       | 6- 3-59  | †24.5       | 10-21-59 | †24.4       | 4-28-60  | †24.3       |
|              | 2-27-59  | †23.6       | 7-22-59  | †23.8       | 1- 7-60  | †24.2       | 6-15-60  | †23.0       |
|              | 4-24-59  | †25.1       | 9- 1-59  | †23.5       | 3- 7-60  | †23.6       |          |             |
| Union County |          |             |          |             |          |             |          |             |
| 957-225-1    | 4- 2-59  | 4.37        | 8-13-59  | 5.01        | 11-10-59 | 5.50        | 2-23-60  | 6.04        |
|              | 6-24-59  | 5.08        | 9-29-59  | 5.93        | 12-23-59 | 6.17        | 4-19-60  | 5.28        |
| 958-222-1    | 10-21-58 | 6.27        | 6-24-59  | 4.51        | 11-10-59 | 4.95        | 2-23-60  | 3.94        |
|              | 2-13-59  | 3.62        | 8-13-59  | 3.16        | 12-23-59 | 5.94        | 4-19-60  | 5.45        |
|              | 4- 2-59  | 3.42        | 9-29-59  | 5.98        |          |             |          |             |
| 958-230-1    | 2-11-59  | 9.04        | 8-13-59  | 9.74        | 11-10-59 | 8.62        | 2-22-60  | 9.33        |
|              | 4- 1-59  | 8.02        | 9-29-59  | 9.13        | 1- 4-60  | 9.79        | 4-19-60  | 10.07       |
|              | 6-23-59  | 8.86        |          |             |          |             |          |             |
| 959-233-1    | 12-11-57 | 94.07       | 7- 7-58  | 92.45       | 2-11-59  | 91.63       | 9-29-59  | 88.78       |
|              | 1-20-58  | 93.79       | 9-11-58  | 92.00       | 4- 1-59  | 85.79       | 11-10-59 | 89.12       |
|              | 2-27-58  | 92.96       | 10-27-58 | 94.54       | 6-23-59  | 85.57       | 7- 1-60  | 91.34       |
|              | 5- 8-58  | 90.18       | 12-10-58 | 94.82       | 8-13-59  | 89.19       |          |             |
| 000-232-1    | 12-11-57 | 3.35        | 9-11-58  | 4.58        | 4- 1-59  | 2.95        | 11-10-59 | 2.73        |
|              | 1-20-58  | 3.53        | 10-27-58 | 6.55        | 6-23-59  | 3.65        | 1- 4-60  | 2.97        |
|              | 2-27-58  | 2.20        | 12-10-58 | 6.55        | 8-13-59  | 4.14        | 2-22-60  | 2.72        |
|              | 5- 8-58  | 4.66        | 2-11-59  | 2.90        | 9-29-59  | 4.40        | 4-19-60  | 3.62        |
|              | 7- 7-58  | 3.53        |          |             |          |             |          |             |
| 001-224-1    | 9- 8-59  | 90.85       | 11-10-59 | 90.49       | 2-23-60  | 91.37       | 5-18-60  | 90.12       |
|              | 9-29-59  | 90.10       | 12-23-59 | 91.06       | 4-19-60  | 89.53       | 7- 1-60  | 91.16       |
| 002-218-1    | 4- 2-59  | 7.02        | 8-17-59  | 8.30        | 11-10-59 | 7.90        | 2-23-60  | 9.03        |
|              | 6-24-59  | 7.76        | 9-29-59  | 8.05        | 12-23-59 | 8.98        | 4-20-60  | 8.32        |
| 003-224-1    | 10- 2-57 | 77.30       | 12-10-58 | 72.83       | 5-20-60  | 70.43       | 7- 1-60  | 71.42       |
|              | 7- 7-58  | 72.28       |          |             |          |             |          |             |
| 004-229-1    | 4- 1-58  | 8.28        | 7- 7-58  | 9.05        | 10-27-58 | 11.54       | 12-10-58 | 11.80       |
|              | 5- 9-58  | 8.72        | 9-11-58  | 9.99        |          |             |          |             |



Table 5.--Continued

| Well number | Date     | Water level | Date     | Water level | Date     | Water level | Date     | Water level |
|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| 005-222-1   | 4- 1-58  | 19.99       | 10-27-58 | 22.07       | 6-23-59  | 20.13       | 1- 4-60  | 20.33       |
|             | 5- 9-58  | 20.35       | 12-17-58 | 20.96       | 8-13-59  | 20.26       | 2-23-60  | 20.23       |
|             | 7- 7-58  | 20.25       | 2-12-59  | 20.04       | 9-29-59  | 20.11       | 4-19-60  | 20.60       |
|             | 9-11-58  | 20.73       | 4- 1-59  | 19.57       | 11-10-59 | 19.94       |          |             |
| 005-228-1   | 4- 1-58  | 9.53        | 10-27-58 | 14.49       | 6-23-59  | 10.46       | 1- 4-60  | 11.87       |
|             | 5- 9-58  | 10.85       | 12-10-58 | 14.59       | 8-13-59  | 11.08       | 2-23-60  | 9.97        |
|             | 7- 7-58  | 9.80        | 2-12-59  | 10.24       | 9-29-59  | 10.40       | 4-19-60  | 10.46       |
|             | 9-11-58  | 12.85       | 4- 1-59  | 9.13        | 11-10-59 | 11.56       |          |             |
| 007-222-1   | 11-25-58 | 92.87       | 6- 5-59  | 89.72       | 11-30-59 | 91.74       | 5-20-60  | 90.94       |
|             | 11-30-58 | 93.12       | 6-10-59  | 89.82       | 12- 5-59 | 91.56       | 5-25-60  | 91.11       |
|             | 12- 5-58 | 92.83       | 6-15-59  | 89.84       | 12-10-59 | 91.79       | 5-31-60  | 91.45       |
|             | 12-20-58 | 93.84       | 6-20-59  | 89.88       | 12-15-59 | 91.81       | 6- 5-60  | 91.53       |
|             | 12-25-58 | 93.88       | 6-25-59  | 90.13       | 12-20-59 | 91.91       | 6-10-60  | 91.84       |
|             | 12-31-58 | 93.83       | 6-30-59  | 90.22       | 12-25-59 | 92.00       | 6-15-60  | 91.97       |
|             | 1- 5-59  | 93.78       | 7- 5-59  | 90.36       | 12-31-59 | 92.03       | 6-20-60  | 92.08       |
|             | 1-10-59  | 93.67       | 7-10-59  | 90.60       | 1- 5-60  | 92.03       | 6-25-60  | 92.14       |
|             | 1-15-59  | 93.40       | 7-15-59  | 90.59       | 1-10-60  | 92.10       | 6-30-60  | 91.80       |
|             | 1-20-59  | 93.53       | 7-20-59  | 90.33       | 1-15-60  | 91.87       | 7- 5-60  | 91.83       |
|             | 1-25-59  | 93.52       | 7-25-59  | 90.25       | 1-20-60  | 92.19       | 7-10-60  | 91.95       |
|             | 1-31-59  | 93.53       | 7-31-60  | 90.30       | 1-25-60  | 92.35       | 7-15-60  | 91.85       |
|             | 2- 5-59  | 93.39       | 8- 5-59  | 90.47       | 1-31-60  | 92.03       | 7-20-60  | 91.58       |
|             | 2-10-59  | 93.46       | 8-10-59  | 90.58       | 2- 5-60  | 92.05       | 7-25-60  | 91.40       |
|             | 2-15-59  | 93.31       | 8-15-59  | 90.91       | 2-10-60  | 91.80       | 7-31-60  | 91.05       |
|             | 2-20-59  | 93.32       | 8-20-59  | 90.97       | 2-15-60  | 92.21       | 8- 5-60  | 90.85       |
|             | 2-25-59  | 93.13       | 8-25-59  | 91.10       | 2-20-60  | 92.28       | 8-10-60  | 90.64       |
|             | 3- 5-59  | 92.37       | 8-31-59  | 91.07       | 2-25-60  | 91.75       | 8-15-60  | 90.53       |
|             | 3-10-59  | 92.05       | 9- 5-59  | 91.35       | 2-29-60  | 91.70       | 8-20-60  | 90.62       |
|             | 3-15-59  | 91.56       | 9-10-59  | 91.42       | 3- 5-60  | 91.45       | 8-25-60  | 90.69       |
|             | 3-20-59  | 90.93       | 9-15-59  | 91.18       | 3-10-60  | 91.05       | 8-31-60  | 90.90       |
|             | 3-25-59  | 90.54       | 9-20-59  | 91.25       | 3-15-60  | 90.96       | 9- 5-60  | 90.86       |
|             | 3-31-59  | 89.90       | 9-25-59  | 91.16       | 3-20-60  | 90.77       | 9-10-60  | 90.73       |
|             | 4- 5-59  | 89.68       | 9-30-59  | 91.13       | 3-25-60  | 90.35       | 9-15-60  | 90.94       |
|             | 4-10-59  | 89.54       | 10- 5-59 | 91.41       | 3-31-60  | 89.97       | 9-20-60  | 90.95       |
|             | 4-15-59  | 89.63       | 10-10-59 | 91.45       | 4- 5-60  | 89.95       | 9-25-60  | 90.90       |
|             | 4-20-59  | 89.39       | 10-15-59 | 91.37       | 4-10-60  | 89.98       | 9-30-60  | 90.80       |
|             | 4-25-59  | 89.72       | 10-20-59 | 91.35       | 4-15-60  | 90.07       | 10- 5-60 | 90.45       |
|             | 4-30-59  | 89.64       | 10-25-59 | 91.07       | 4-20-60  | 90.11       | 10-10-60 | 90.18       |
|             | 5- 5-59  | 89.92       | 10-31-59 | 91.37       | 4-25-60  | 89.92       | 10-15-60 | 89.88       |
|             | 5-10-59  | 90.27       | 11- 5-59 | 91.40       | 4-30-60  | 90.13       | 10-20-60 | 89.85       |
|             | 5-15-59  | 90.37       | 11-10-59 | 91.48       | 5- 5-60  | 90.32       | 10-25-60 | 89.98       |
|             | 5-20-59  | 90.65       | 11-15-59 | 91.39       | 5-10-60  | 90.33       | 10-31-60 | 90.04       |
| 5-25-59     | 90.38    | 11-20-59    | 91.45    | 5-15-60     | 90.66    | 11- 5-60    | 90.50    |             |
| 5-31-59     | 89.92    | 11-25-59    | 91.26    |             |          |             |          |             |
| Levy County |          |             |          |             |          |             |          |             |
| 926-229-1   | 5- 7-58  | 6.22        | 9- 9-58  | 5.85        | 10-23-58 | 5.92        |          |             |
| 930-233-1   | 2-10-58  | 3.43        | 5- 7-58  | 2.50        | 9- 9-58  | .76         | 12- 8-58 | .15         |
|             | 2-25-58  | 3.60        | 7- 1-58  | 2.80        | 10-23-58 | .67         | 2-10-59  | .07         |

Table 6. Chemical Analyses and Temperatures of Ground Waters

(Note: For location of wells, see figures 5 and 6)

Chemical analyses in parts per million except specific conductance, pH, and color

| Well number                       | Date of collection | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|-----------------------------------|--------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
|                                   |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| <b>ALACHUA COUNTY</b>             |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| <b>Water-table aquifer</b>        |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| 93021604                          | 07-27-80           | 10                         | 0.15      | 9.2          | 1.9            | --          | --            | 30                              | 5.2                        | 9.0           | 0.4          | 0.1                        | --                           | 57               | --               | 31                            | 6             | 109                                       | 7.0 | --    | 76               |
| 93322301                          | 07-27-80           | 6.0                        | 6.4       | 3.6          | 1.2            | 3.2         | 0.6           | 13                              | 4.0                        | 6.5           | 1.1          | .2                         | 0.1                          | 33               | 40               | 14                            | 4             | 48  | 6.6 | 300   | 76               |
| 93621201                          | 07-14-80           | .6                         | .02       | 4.8          | .9             | --          | --            | 18                              | --                         | --            | .8           | --                         | --                           | 40               | --               | 16                            | 0             | 74  | 6.8 | --    | 76               |
| 93721201                          | 07-14-80           | 15                         | 1.1       | 29           | 12             | --          | --            | 132                             | 2.0                        | --            | .6           | --                         | --                           | 143              | --               | 122                           | 14            | 252                                       | 7.9 | --    | 73               |
| 93721201                          | 07-27-80           | 15                         | .73       | 28           | 17             | --          | --            | 140                             | 2.8                        | 12            | .6           | --                         | --                           | 173              | --               | 140                           | 26            | 257                                       | 6.0 | --    | 75               |
| 94121001                          | 07-14-80           | 15                         | .02       | 23           | 9.8            | --          | --            | 120                             | --                         | --            | .4           | --                         | --                           | 117              | --               | 98                            | 0             | 215                                       | 7.6 | --    | 75               |
| 94121102                          | 07-14-80           | 19                         | .01       | 37           | 16             | --          | --            | 186                             | 3.2                        | 14            | .4           | .0                         | --                           | 190              | --               | 158                           | 6             | 338                                       | 7.8 | --    | 71               |
| 94220701                          | 07-26-80           | 8.8                        | .66       | 2.8          | 2.7            | 13          | .5            | 19                              | 13                         | 24            | .2           | .2                         | .2                           | 74               | 111              | 18                            | 2             | 144                                       | 6.6 | 140   | 80               |
| 94222101                          | 07-28-80           | 3.6                        | .80       | 1.6          | .7             | 8.0         | .4            | 4                               | 5.6                        | 8.0           | .4           | 1.4                        | .0                           | 32               | 79               | 7                             | 4             | 82  | 5.5 | 850   | 79               |
| 94321501                          | 07-19-80           | 2.2                        | 3.8       | 11           | .9             | --          | --            | 33                              | --                         | --            | .1           | --                         | --                           | 59               | --               | 31                            | 4             | 99  | 6.8 | --    | 76               |
| 94621801                          | 07-26-80           | 8.0                        | .10       | 13           | 6.2            | 26          | 29            | 12                              | 16                         | 61            | .3           | 37                         | --                           | 202              | 238              | 58                            | 48            | 357                                       | 6.6 | 2     | 1                |
| 94622602                          | 07-26-80           | 43                         | .16       | 5.2          | 1.5            | 6.5         | .1            | 7                               | 4.0                        | 7.5           | .1           | 16                         | .2                           | 49               | 57               | 19                            | 14            | 78  | 6.3 | --    | 74               |
| 94721003                          | 08-15-80           | 22                         | .04       | 44           | 18             | --          | --            | 228                             | --                         | --            | .3           | --                         | --                           | 200              | --               | 184                           | 0             | 374                                       | 7.4 | --    | 74               |
| 94921101                          | 07-27-80           | 7.6                        | .55       | 3.2          | 2.9            | 20          | .2            | 9                               | --                         | 24            | .0           | 14                         | --                           | 88               | --               | 20                            | 12            | 143                                       | 6.4 | --    | 75               |
| 94921401                          | 07-27-80           | 4.1                        | .19       | 4.4          | 1.2            | 6.1         | .8            | 16                              | 6.4                        | 6.0           | .1           | .9                         | .1                           | 38               | 46               | 16                            | 3             | 64  | 6.5 | 20    | 82               |
| 95021302                          | 08-16-80           | 31                         | .78       | 38           | 13             | --          | --            | 186                             | --                         | --            | .3           | --                         | --                           | 183              | --               | 148                           | 0             | 312                                       | 6.2 | --    | 74               |
| 95022001                          | 07-26-80           | 7.8                        | 1.6       | 3.6          | 1.3            | --          | --            | 11                              | --                         | 9.5           | .3           | .2                         | --                           | --               | --               | 14                            | 6             | 57  | 6.7 | --    | 74               |
| 95122401                          | 07-26-80           | 5.5                        | .35       | 5.2          | 2.7            | 3.9         | .1            | 15                              | 15                         | 7.5           | .5           | .7                         | --                           | 48               | 65               | 24                            | 12            | 88  | 6.6 | 0     | 80               |
| <b>Secondary artesian aquifer</b> |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| 93021401                          | 07-27-80           | 12                         | 0.03      | 50           | 22             | --          | --            | 254                             | 9.2                        | --            | 0.5          | --                         | --                           | 239              | --               | 216                           | 8             | 428                                       | 6.0 | --    | 76               |
| 93220501                          | 07-14-80           | 33                         | 1.9       | 45           | 7.7            | --          | --            | 182                             | --                         | --            | .8           | --                         | --                           | 201              | --               | 144                           | 0             | 309                                       | 6.1 | --    | 76               |
| 93520403                          | 07-14-80           | 9.8                        | .04       | 15           | 6.9            | --          | --            | 76                              | --                         | --            | .5           | --                         | --                           | 76               | --               | 66                            | 4             | 142                                       | 7.2 | --    | 79               |
| 93520404                          | 07-14-80           | 12                         | .12       | 14           | 4.6            | --          | --            | 55                              | --                         | --            | .5           | --                         | --                           | 68               | --               | 54                            | 9             | 110                                       | 7.1 | --    | 79               |
| 93520601                          | 07-14-80           | 15                         | .07       | 48           | 24             | --          | --            | 256                             | --                         | --            | .3           | --                         | --                           | 232              | --               | 218                           | 0             | 424                                       | 6.3 | --    | 86               |
| 93520701                          | 07-14-80           | 41                         | .11       | 9.6          | 7.3            | --          | --            | 59                              | --                         | --            | .7           | --                         | --                           | 98               | --               | 54                            | 6             | 115                                       | 7.1 | --    | 79               |
| 93820801                          | 07-14-80           | 42                         | .19       | 34           | 13             | --          | --            | 162                             | 3.6                        | --            | .5           | --                         | --                           | 193              | --               | 138                           | 6             | 288                                       | 6.0 | --    | --               |
| 93920402                          | 07-15-80           | 25                         | .12       | 32           | 6.1            | --          | --            | 123                             | 2.4                        | --            | .6           | --                         | --                           | 146              | --               | 105                           | 4             | 226                                       | 7.1 | --    | 80               |
| 93921501                          | 07-15-80           | 32                         | .07       | 27           | 6.4            | --          | --            | 114                             | --                         | --            | .5           | --                         | --                           | 141              | --               | 94                            | 0             | 201                                       | 7.8 | --    | --               |
| 93921801                          | 07-20-80           | 17                         | .28       | 34           | 10             | --          | --            | 156                             | --                         | --            | .6           | --                         | --                           | 151              | --               | 126                           | 0             | 259                                       | 6.1 | --    | 78               |

|          |          |    |      |     |     |    |     |     |     |    |     |     |  |     |  |     |    |     |     |  |    |
|----------|----------|----|------|-----|-----|----|-----|-----|-----|----|-----|-----|--|-----|--|-----|----|-----|-----|--|----|
| 93922001 | 07-20-60 | 12 | 0.87 | 36  | 14  |    |     | 180 |     |    | 0.6 |     |  | 180 |  | 148 | 0  | 303 | 8.2 |  |    |
| 94021101 | 07-14-60 | 11 | .02  | 30  | 13  |    |     | 156 |     |    | .4  |     |  | 141 |  | 128 | 0  | 258 | 7.5 |  | 83 |
| 94021401 | 07-19-60 | 30 | .21  | 50  | 17  |    |     | 240 |     |    | .5  |     |  | 243 |  | 195 | 0  | 412 | 7.6 |  | 78 |
| 94021402 | 07-19-60 | 30 | .30  | 52  | 17  |    |     | 246 |     |    | .5  |     |  | 251 |  | 200 | 0  | 407 | 8.0 |  | 76 |
| 94021801 | 07-20-60 | 17 | .11  | 49  | 20  |    |     | 252 |     |    | .8  |     |  | 226 |  | 204 | 0  | 399 | 7.8 |  | 76 |
| 94021904 | 07-21-60 |    | .17  | 22  | 11  |    |     | 124 |     |    | .6  |     |  | 114 |  | 100 | 0  | 225 | 7.8 |  | 79 |
| 94022001 | 07-20-60 | 17 | .22  | 25  | 10  |    |     | 128 |     |    | .5  |     |  | 127 |  | 104 | 0  | 220 | 7.8 |  | 81 |
| 94022002 | 07-20-60 | 15 | .07  | 22  | 11  |    |     | 116 |     |    | .6  |     |  | 114 |  | 100 | 5  | 195 | 7.7 |  | 81 |
| 94120801 | 07-15-60 | 12 | .03  | 6.8 | 1.9 |    |     | 26  | 1.2 | 16 | .8  |     |  | 63  |  | 25  | 4  | 100 | 6.8 |  | 82 |
| 94220601 | 07-15-60 | 24 | .03  | 38  | 23  |    |     | 214 | 4.0 |    | .5  | 0.1 |  | 219 |  | 190 | 14 | 365 | 7.7 |  | 80 |
| 94221001 | 07-14-60 | 49 | .04  | 17  | 8.6 |    |     | 89  | 3.2 |    | .5  |     |  | 133 |  | 78  | 5  | 168 | 7.3 |  | 73 |
| 94320801 | 07-19-60 | 26 | .08  | 41  | 11  |    |     | 178 |     |    | .5  |     |  | 190 |  | 148 | 2  | 310 | 7.7 |  | 76 |
| 94420501 | 07-15-60 | 23 | .03  | 32  | 18  |    |     | 188 |     |    | .5  |     |  | 189 |  | 154 | 0  | 328 | 7.8 |  | 83 |
| 94420601 | 07-15-60 | 24 | .03  | 37  | 15  |    |     | 186 |     |    | .6  |     |  | 182 |  | 154 | 2  | 318 | 7.8 |  | 79 |
| 94621001 | 07-28-60 | 12 | .10  | 46  | 23  |    |     | 250 |     |    | .4  |     |  | 230 |  | 210 | 4  | 415 | 8.0 |  | 75 |
| 94721002 | 07-28-60 | 11 | .06  | 49  | 21  | 15 | 0.9 | 234 | 6.8 | 24 | .4  | 6.3 |  | 249 |  | 209 | 17 | 453 | 8.0 |  | 74 |
| 94721007 | 08-15-60 | 18 | .02  | 43  | 22  |    |     | 242 |     |    | .5  |     |  | 224 |  | 198 | 0  | 400 | 7.6 |  | 72 |
| 94920801 | 07-27-60 | 18 | .05  | 41  | 18  |    |     | 204 | 2.8 |    | .3  |     |  | 202 |  | 176 | 10 | 344 | 8.2 |  | 82 |
| 95021001 | 08-16-60 | 13 | .06  | 42  | 21  |    |     | 232 |     |    | .2  |     |  | 221 |  | 192 | 2  | 385 | 8.1 |  | 76 |

Floridan aquifer

|          |          |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|----------|----------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 92720301 | 07-26-60 | 15  | 0.05 | 54  | 5.4 |     |     | 196 |     |     | 0.2 |     |     | 193 |     | 157 | 0   | 325 | 7.9 |     | 74 |
| 92920401 | 07-26-60 | 9.5 | .31  | 14  | 2.4 | 16  | 8.9 | 30  | 25  | 20  | .4  | 4.1 | 1.3 | 117 | 144 | 45  | 20  | 192 | 6.9 | 140 | 82 |
| 92920901 | 07-14-60 | 24  |      | 53  | 9.7 |     |     | 210 |     |     | .3  |     |     | 209 |     | 172 | 0   | 347 | 8.1 |     | 76 |
| 92921301 | 07-27-60 | 20  | .29  | 74  | 9.6 |     |     | 250 | 6.4 |     | .3  |     |     | 252 |     | 221 | 19  | 354 | 8.2 |     | 76 |
| 92921401 | 07-27-60 | 17  | .04  | 110 | 21  | 35  | .7  | 312 | 6.0 | 126 | .5  | 2.9 |     | 473 |     | 361 | 106 | 836 | 8.0 |     | 78 |
| 93020501 | 07-14-60 | 21  | .89  | 67  | 10  |     |     | 254 |     |     | .3  |     |     | 254 |     | 208 | 0   | 421 | 8.0 |     | 78 |
| 93020601 | 07-14-60 | 17  | .07  | 54  | 11  |     |     | 218 |     |     | .3  |     |     | 215 |     | 180 | 1   | 361 | 8.0 |     | 76 |
| 93020602 | 07-14-60 | 25  | .03  | 66  | 16  |     |     | 280 |     |     | .3  |     |     | 265 |     | 230 | 1   | 445 | 8.1 |     | 82 |
| 93020603 | 07-14-60 | 23  | .12  | 34  | 11  |     |     | 230 |     |     | .6  |     |     | 231 |     | 130 | 2   | 371 | 7.9 |     | 81 |
| 93021601 | 07-28-60 | 32  | 2.5  | 69  | 7.5 |     |     | 244 |     |     | .7  |     |     | 238 |     | 202 | 2   | 382 | 8.2 |     | 74 |
| 93021602 | 07-27-60 | 18  | .13  | 67  | 4.1 |     |     | 224 |     |     | .4  |     |     | 224 |     | 184 | 0   | 364 | 8.2 |     | 76 |
| 93021702 | 07-13-60 | 6.7 | .02  | 52  | 3.5 |     |     | 172 |     |     | .3  |     |     | 171 |     | 144 | 3   | 290 | 7.9 |     | 75 |
| 93121802 | 07-13-60 | 11  | .32  | 46  | 5.1 | 8.5 | 1.6 | 157 | 2.4 | 16  | .3  | .5  | .6  | 169 | 196 | 136 | 8   | 293 | 7.9 | 70  |    |
| 93121901 | 07-13-60 | 16  | .66  | 75  | 5.1 | 19  | .6  | 252 | 3.6 | 38  | .4  | .1  |     | 289 |     | 208 | 2   | 501 | 8.2 |     | 82 |
| 93221501 | 07-28-60 | 14  | .92  | 65  | 2.4 |     |     | 208 |     |     | .3  |     |     | 206 |     | 172 | 2   | 339 | 8.2 |     | 74 |
| 93222201 | 07-27-60 | 12  | 7.3  | 105 | 5.8 |     |     | 308 |     |     | .3  |     |     | 330 |     | 285 | 20  | 551 | 8.3 |     | 74 |
| 93223101 | 07-28-60 | 6.2 | .05  | 53  | 2.4 |     |     | 168 |     |     | .2  |     |     | 170 |     | 142 | 4   | 287 | 8.0 |     | 78 |
| 93320601 | 07-14-60 | 17  | .28  | 47  | 8.9 |     |     | 180 |     |     | .4  |     |     | 185 |     | 154 | 6   | 303 | 8.1 |     | 77 |
| 93321901 | 07-28-60 | 47  | .92  | 101 | 9.5 | 22  | .8  | 142 | 6.8 | 32  | .7  | .1  |     | 385 |     | 291 | 18  | 651 | 8.4 |     | 74 |

Table 6.--Continued

| Chemical analyses in parts per million except specific conductance, pH, and color--Continued |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
|--|--------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
| Well number  | Date of collection | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| ALACHUA COUNTY--Continued  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Floridan aquifer--Continued  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| 93323201   | 07-27-60           | --                         | 0.09      | --           | --             | --          | --            | 182                             | --                         | --            | --           | --                         | --                           | --               | --               | --                            | --            | 326                                       | 8.0 | --    | 77               |
| 93520402   | 07-27-60           | 14                         | .07       | 44           | 4.4            | --          | --            | 184                             | --                         | --            | 0.3          | --                         | --                           | 160              | --               | --                            | 128           | 2   | 260 | 8.0   | 82               |
| 93520901   | 07-14-60           | 32                         | .08       | 14           | 4.4            | --          | --            | 36                              | 5.2                        | 13            | .9           | 8.5                        | --                           | 104              | --               | --                            | 53            | 24  | 140 | 6.8   | 79               |
| 93521101   | 07-14-60           | 34                         | .21       | 50           | 12             | --          | --            | 212                             | --                         | --            | .6           | --                         | --                           | 220              | --               | --                            | 174           | 1   | 345 | 8.2   | 76               |
| 93521302   | 07-14-60           | 7.5                        | .03       | 35           | 1.6            | --          | --            | 84                              | 4.0                        | 12            | .4           | 33                         | --                           | 146              | --               | --                            | 94            | 25  | 260 | 7.8   | 78               |
| 93522001   | 07-20-60           | 11                         | 2.3       | 138          | 3.3            | 20          | 1.2           | 422                             | .8                         | 33            | .1           | .6                         | --                           | 420              | 443              | --                            | 358           | 6   | 718 | 8.3   | 81               |
| 93522002   | 07-20-60           | 9.1                        | .07       | 117          | 2.4            | --          | --            | 340                             | --                         | --            | .3           | --                         | --                           | 340              | --               | --                            | 302           | 4   | 583 | 8.4   | 82               |
| 93522003   | 07-20-60           | 9.0                        | 1.5       | 118          | 6.6            | --          | --            | 358                             | 1.2                        | --            | .2           | --                         | --                           | 359              | --               | --                            | 322           | 15  | 601 | 8.3   | 81               |
| 93522101   | 07-28-60           | 17                         | .03       | 130          | 3.8            | 31          | .4            | 358                             | 13                         | 67            | .3           | --                         | --                           | 438              | --               | --                            | 340           | 48  | 783 | 8.1   | 74               |
| 93522501   | 07-27-60           | 7.0                        | .05       | 89           | 1.5            | --          | --            | 270                             | 6.0                        | 6.5           | .2           | --                         | --                           | 284              | --               | --                            | 228           | 12  | 450 | 8.2   | 78               |
| 93620701   | 07-14-60           | 24                         | .06       | 44           | 12             | --          | --            | 194                             | --                         | --            | .5           | --                         | --                           | 194              | --               | --                            | 160           | 0   | 330 | 8.1   | 81               |
| 93622001   | 07-21-60           | 2.4                        | .04       | 12           | .7             | 14          | .5            | 21                              | 2.0                        | 30            | .2           | .6                         | 0.1                          | 73               | 96               | --                            | 33            | 16  | 146 | 6.5   | 79               |
| 93622003   | 07-20-60           | 11                         | .13       | 92           | 1.6            | --          | --            | 278                             | 12                         | --            | .2           | --                         | --                           | 281              | --               | --                            | 236           | 8   | 471 | 8.1   | 84               |
| 93623602   | 07-28-60           | 6.5                        | .02       | 34           | 1.2            | --          | --            | 103                             | 5.2                        | --            | .2           | --                         | --                           | 118              | --               | --                            | 90            | 6   | 184 | 7.2   | --               |
| 93721202   | 07-19-60           | 14                         | .03       | 37           | 20             | --          | --            | 192                             | .8                         | 6.5           | .6           | --                         | --                           | 176              | --               | --                            | 174           | 17  | 315 | 8.0   | 81               |
| 93721601   | 07-19-60           | 49                         | .05       | 13           | 2.1            | --          | --            | 46                              | --                         | 15            | 1.5          | .1                         | --                           | 124              | --               | --                            | 41            | 4   | 148 | 7.1   | 78               |
| 93721701   | 07-19-60           | 18                         | .05       | 58           | 6.7            | --          | --            | 204                             | --                         | --            | .4           | --                         | --                           | 211              | --               | --                            | 172           | 5   | 348 | 8.0   | 78               |
| 93722201   | 08-16-60           | 7.5                        | .02       | 44           | .7             | 3.7         | .1            | 137                             | 2.8                        | 2.5           | .1           | .9                         | --                           | 130              | 132              | --                            | 113           | 0   | 234 | 7.5   | 74               |
| 93722301   | 08-16-60           | 19                         | --        | 78           | 4.7            | --          | --            | 248                             | 6.4                        | --            | .2           | --                         | --                           | 292              | --               | --                            | 124           | 11  | 407 | 8.1   | 78               |
| 93723201   | 07-29-60           | 9.1                        | .01       | 42           | 2.7            | --          | --            | 136                             | --                         | --            | .2           | --                         | --                           | 131              | --               | --                            | 116           | 4   | 227 | 7.8   | 74               |
| 93820601   | 07-14-60           | 21                         | .17       | 34           | 21             | --          | --            | 198                             | 2.0                        | --            | .6           | --                         | --                           | 189              | --               | --                            | 172           | 11  | 324 | 8.1   | 84               |
| 93821101   | 07-14-60           | 51                         | .09       | 34           | 8.0            | --          | --            | 134                             | 3.6                        | --            | 1.0          | --                         | --                           | 177              | --               | --                            | 118           | 8   | 236 | 7.9   | 74               |
| 93821102   | 07-14-60           | 1.7                        | .03       | 7.6          | 1.5            | --          | --            | 30                              | --                         | --            | .5           | --                         | --                           | 38               | --               | --                            | 25            | 0   | 72  | 7.0   | --               |
| 93821103   | 07-14-60           | 45                         | .02       | 34           | 11             | --          | --            | 156                             | --                         | --            | .9           | --                         | --                           | 188              | --               | --                            | 130           | 2   | 272 | 8.1   | --               |
| 93821601   | 07-19-60           | 25                         | .04       | 53           | 14             | --          | --            | 222                             | 12                         | --            | .4           | --                         | --                           | 236              | --               | --                            | 190           | 8   | 388 | 8.2   | 82               |
| 93821701   | 07-20-60           | 14                         | .02       | 12           | 5.8            | --          | --            | 60                              | --                         | --            | .4           | --                         | --                           | 68               | --               | --                            | 54            | 5   | 119 | 7.2   | 80               |
| 93821702   | 07-19-60           | 22                         | .06       | 48           | 10             | --          | --            | 184                             | 9.2                        | 10            | --           | --                         | --                           | 198              | --               | --                            | 161           | 10  | 336 | 7.5   | 80               |
| 93821901   | 07-20-60           | 22                         | .07       | 54           | 15             | --          | --            | 218                             | 22                         | --            | .5           | --                         | --                           | 244              | --               | --                            | 196           | 19  | 400 | 8.2   | 74               |
| 93821902   | 07-20-60           | 20                         | .08       | 82           | 8.1            | --          | --            | 280                             | 4.0                        | --            | .3           | --                         | --                           | 300              | --               | --                            | 238           | 8   | 483 | 8.2   | 74               |
| 93821903   | 07-20-60           | 9.9                        | .17       | 36           | 4.9            | 10          | 1.1           | 128                             | 8.8                        | 11            | .4           | 0.4                        | 1.3                          | 147              | 175              | --                            | 110           | 5   | 255 | 8.0   | 75               |
| 93821904   | 08-16-60           | 10                         | .04       | 18           | 5.4            | 11          | 1.2           | 60                              | 21                         | 19            | .5           | .2                         | --                           | 111              | --               | --                            | 67            | 26  | 193 | 7.4   | 76               |
| 93821906   | 07-20-60           | 16                         | .11       | 46           | 7.5            | 7.2         | .8            | 171                             | 10                         | 10            | .4           | .2                         | .8                           | 183              | 200              | --                            | 146           | 6   | 309 | 8.2   | 45               |
| 93822301   | 08-16-60           | 8.9                        | .20       | 78           | .4             | --          | --            | 218                             | 7.6                        | --            | .3           | --                         | --                           | 233              | --               | --                            | 196           | 18  | 406 | 8.2   | 78               |
| 93822303   | 08-16-60           | 22                         | .03       | 70           | .9             | --          | --            | 212                             | --                         | --            | .3           | --                         | --                           | 228              | --               | --                            | 178           | 4   | 364 | 8.0   | 74               |

|          |          |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |    |     |     |    |    |
|----------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|----|-----|-----|----|----|
| 93823401 | 07-29-60 | 16  | .02 | 147 | 37  | 20  | 2.4 | 188 | 344 | 26  | .6  | .6 | .0 | 687 | 743 | 519 | 65 | 983 | 8.1 | -- | 78 |
| 93823402 | 07-29-60 | 7.7 | .01 | 52  | 3.0 | --  | --  | 170 | --  | --  | .2  | -- | -- | 183 | --  | 142 | 2  | 277 | 8.1 | -- | 78 |
| 93823501 | 07-29-60 | 6.5 | .02 | 52  | 2.6 | --  | --  | 162 | --  | --  | .2  | -- | -- | 159 | --  | 140 | 7  | 273 | 8.1 | -- | 74 |
| 93823601 | 07-29-60 | 6.1 | .02 | 51  | 2.7 | --  | --  | 162 | --  | --  | .2  | -- | -- | 160 | --  | 138 | 5  | 273 | 8.0 | -- | 74 |
| 93823602 | 08-29-60 | 5.6 | .02 | 50  | 3.6 | --  | --  | 156 | 5.2 | --  | 0.2 | -- | -- | 156 | --  | 140 | 12 | 269 | 8.1 | -- | 74 |
| 93823701 | 07-29-60 | 5.9 | .02 | 50  | 3.2 | --  | --  | 162 | --  | --  | .2  | -- | -- | 154 | --  | 138 | 5  | 268 | 8.0 | -- | 71 |
| 93921902 | 07-20-60 | 26  | .08 | 50  | 18  | --  | --  | 220 | 19  | 11  | .4  | -- | -- | 245 | --  | 199 | 18 | 410 | 8.2 | -- | 79 |
| 93922101 | 08-15-60 | 8.1 | .07 | 55  | 5.6 | --  | --  | 192 | --  | --  | .3  | -- | -- | 190 | --  | 160 | 2  | 329 | 8.2 | -- | 80 |
| 93922102 | 08-15-60 | 12  | .07 | 82  | 3.8 | --  | --  | 256 | 7.6 | --  | .3  | -- | -- | 263 | --  | 220 | 10 | 440 | 8.1 | -- | 79 |
| 93922301 | 08-15-60 | 9.6 | .04 | 45  | .0  | --  | --  | 134 | --  | --  | .3  | -- | -- | 150 | --  | 112 | 2  | 240 | 7.4 | -- | 82 |
| 93922302 | 08-15-60 | 9.4 | .10 | 49  | .9  | --  | --  | 150 | --  | --  | .2  | -- | -- | 161 | --  | 126 | 3  | 263 | 7.6 | -- | 81 |
| 93922303 | 08-15-60 | 11  | .03 | 50  | .7  | --  | --  | 160 | --  | --  | .3  | -- | -- | 161 | --  | 128 | 0  | 264 | 7.7 | -- | 79 |
| 93922501 | 08-16-60 | 13  | .04 | 63  | 1.2 | --  | --  | 192 | --  | --  | .3  | -- | -- | 204 | --  | 162 | 4  | 333 | 7.8 | -- | 79 |
| 93922601 | 08-16-60 | 10  | .03 | 76  | 4.5 | --  | --  | 248 | 3.2 | --  | .2  | -- | -- | 245 | --  | 208 | 5  | 418 | 7.7 | -- | 81 |
| 93922701 | 08-16-60 | 15  | .08 | 87  | 1.2 | --  | --  | 262 | 1.2 | --  | .2  | -- | -- | 266 | --  | 222 | 8  | 441 | 7.8 | -- | 80 |
| 93922702 | 08-16-60 | 9.2 | .58 | 59  | 3.6 | --  | --  | 202 | --  | --  | .2  | -- | -- | 203 | --  | 162 | 0  | 341 | 7.6 | -- | 74 |
| 94021102 | 07-14-60 | 36  | .09 | 42  | 19  | --  | --  | 216 | --  | --  | .4  | -- | -- | 216 | --  | 182 | 5  | 365 | 7.9 | -- | 74 |
| 94021701 | 07-20-60 | 30  | .05 | 46  | 16  | 8.9 | .7  | 222 | 8.0 | 9.0 | .3  | .2 | -- | 228 | 227 | 181 | 0  | 370 | 8.2 | -- | 74 |
| 94021702 | 07-20-60 | 33  | .05 | 46  | 17  | --  | --  | 220 | --  | 9.5 | .5  | .0 | -- | 239 | --  | 135 | 4  | 376 | 7.7 | -- | 74 |
| 94021802 | 07-20-60 | 9.4 | .07 | 12  | 4.5 | --  | --  | 76  | --  | --  | .5  | -- | -- | 82  | --  | 50  | 0  | 147 | 7.5 | -- | 76 |
| 94021804 | 07-20-60 | 23  | .33 | 49  | 19  | --  | --  | 270 | --  | --  | .4  | -- | -- | 245 | --  | 200 | 0  | 414 | 7.7 | -- | 79 |
| 94021902 | 07-20-60 | 29  | .17 | 62  | 21  | --  | --  | 244 | 36  | 12  | .4  | -- | -- | 303 | --  | 242 | 42 | 468 | 8.0 | -- | 81 |
| 94021903 | 07-20-60 | 26  | .17 | 55  | 18  | --  | --  | 246 | 22  | --  | .5  | -- | -- | 268 | --  | 211 | 10 | 433 | 8.1 | -- | 83 |
| 94022401 | 08-15-60 | 8.2 | .06 | 70  | 1.8 | --  | --  | 208 | 22  | 10  | 0.2 | .2 | -- | 224 | --  | 182 | 12 | 391 | 7.8 | -- | 77 |
| 94120702 | 07-15-60 | 20  | .05 | 35  | 17  | --  | --  | 200 | 3.6 | 20  | .3  | -- | -- | 213 | --  | 158 | 0  | 360 | 7.8 | -- | -- |
| 94121101 | 07-14-60 | 35  | .29 | 37  | 20  | --  | --  | 224 | --  | --  | .3  | -- | -- | 231 | --  | 174 | 0  | 367 | 7.8 | -- | 74 |
| 94122401 | 08-16-60 | 17  | .02 | 51  | 9.5 | --  | --  | 204 | --  | --  | .5  | -- | -- | 198 | --  | 166 | 0  | 333 | 7.7 | -- | 74 |
| 94123401 | 07-29-60 | --  | .02 | --  | --  | --  | --  | 52  | --  | --  | --  | -- | -- | --  | --  | --  | -- | 94  | 7.4 | -- | 78 |
| 94220304 | 07-15-60 | 13  | .09 | 32  | 9.2 | --  | --  | 142 | .4  | 13  | .3  | -- | -- | 147 | --  | 118 | 2  | 261 | 7.6 | -- | 83 |
| 94220305 | 07-15-60 | 19  | .01 | 45  | 17  | --  | --  | 228 | --  | --  | .4  | -- | -- | 228 | --  | 182 | 0  | 389 | 7.7 | -- | 77 |
| 94220306 | 07-15-60 | 15  | .05 | 33  | 8.6 | --  | --  | 150 | 2.4 | 15  | .3  | -- | -- | 162 | --  | 118 | 0  | 277 | 7.6 | -- | 80 |
| 94320401 | 07-15-60 | 28  | .07 | 50  | 14  | --  | --  | 216 | 2.4 | --  | .4  | .0 | -- | 226 | --  | 182 | 6  | 366 | 7.8 | -- | 82 |
| 94320701 | 07-19-60 | 30  | .09 | 30  | 11  | --  | --  | 142 | 4.0 | 14  | .6  | -- | -- | 175 | --  | 120 | 4  | 272 | 7.6 | -- | -- |
| 94321502 | 07-19-60 | 3.8 | .07 | 25  | 11  | 5.3 | 0.1 | 134 | .4  | 5.5 | .3  | .1 | -- | 118 | 117 | 108 | 0  | 227 | 7.7 | -- | 76 |
| 94322101 | 07-28-60 | 30  | .04 | 64  | 25  | 9.2 | .2  | 306 | 14  | 8.0 | .2  | .1 | -- | 302 | 299 | 262 | 12 | 504 | 8.2 | -- | 78 |
| 94422201 | 07-28-60 | 12  | .02 | 62  | 12  | --  | --  | 250 | --  | --  | .6  | -- | -- | 230 | --  | 204 | 0  | 397 | 8.0 | -- | 74 |
| 94521201 | 07-14-60 | 29  | .05 | 54  | 25  | --  | --  | 288 | --  | --  | .6  | -- | -- | 282 | --  | 238 | 2  | 472 | 7.9 | -- | 78 |
| 94523701 | 07-26-60 | 2.7 | .04 | 24  | 2.7 | --  | --  | 80  | 5.2 | --  | .2  | -- | -- | 84  | --  | 71  | 6  | 155 | 7.2 | -- | 81 |
| 94620601 | 07-28-60 | 21  | .24 | 43  | 9.4 | 9.1 | 1.4 | 178 | .4  | 10  | .4  | .1 | -- | 183 | 181 | 146 | 0  | 309 | 7.9 | -- | 79 |
| 94620801 | 07-28-60 | 19  | .07 | 42  | 18  | --  | --  | 214 | 12  | 12  | .5  | -- | -- | 224 | --  | 179 | 4  | 388 | 8.0 | -- | 80 |
| 94621302 | 07-26-60 | 17  | .46 | 38  | 15  | 4.8 | .1  | 190 | .8  | 7.0 | .3  | .1 | -- | 177 | 178 | 156 | 1  | 312 | 8.2 | -- | 78 |
| 94721001 | 07-28-60 | 24  | .19 | 48  | 16  | 8.0 | .2  | 230 | 2.0 | 10  | .3  | .1 | -- | 222 | 220 | 186 | 0  | 376 | 8.2 | 3  | 74 |

Table 8. --Continued

| Chemical analyses in parts per million except specific conductance, pH, and color--Continued |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
|--|--------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|--|
| Well number  | Date of collection | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (microhm-cm at 25°C) | pH  | Color | Temperature (°F) |  |
|  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium          | Residue at 180°C | Calcium                       | Non-carbonate |   |     |       |                  |  |
| ALACHUA COUNTY--Continued  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| Floridan aquifer--Continued  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| 94722801   | 07-26-60           | 33                         | 0.03      | 44           | 14             | --          | --            | 198                             | --                         | --            | 1.2          | --                         | --                           | 213              | --               | 168                           | 5             | 332                                       | 7.8 | --    | 78               |  |
| 94722802   | 07-21-60           | 16                         | .02       | 70           | 14             | --          | --            | 184                             | 58                         | 12            | 0.1          | 0.2                        | --                           | 262              | --               | 232                           | 81            | 475                                       | 7.4 | --    | 74               |  |
| 94722804   | 07-26-60           | 14                         | .50       | 74           | 8.6            | 26          | 0.8           | 224                             | 31                         | 44            | .2           | 0                          | --                           | 309              | --               | 220                           | 36            | 545                                       | 7.0 | --    | 74               |  |
| 94823101   | 07-21-60           | 11                         | .05       | 53           | 5.4            | 6.0         | .1            | 158                             | 25                         | 8.0           | .3           | .1                         | --                           | 187              | 205              | 154                           | 24            | 322                                       | 7.9 | 5     | 78               |  |
| 94823102   | 07-21-60           | 3.9                        | .08       | 47           | 2.6            | 6.1         | .1            | 142                             | 13                         | 6.0           | .2           | .2                         | --                           | 148              | 155              | 128                           | 12            | 269                                       | 7.9 | 3     | 81               |  |
| 94823801   | 07-22-60           | 7.5                        | .04       | 66           | 5.2            | 7.4         | .1            | 202                             | 21                         | 8.0           | .2           | .6                         | --                           | 218              | 220              | 186                           | 20            | 377                                       | 8.1 | 5     | 79               |  |
| 94823802   | 07-21-60           | 7.2                        | .06       | 70           | 5.7            | 92          | .9            | 202                             | 29                         | 145           | .2           | .1                         | --                           | 450              | 479              | 198                           | 32            | 836                                       | 7.9 | 6     | 78               |  |
| 95022401   | 07-21-60           | 19                         | .03       | 33           | 13             | --          | --            | 158                             | --                         | --            | .4           | --                         | --                           | 168              | --               | 136                           | 0             | 282                                       | 8.0 | --    | 78               |  |
| 95022801   | 07-21-60           | 8.0                        | .09       | 123          | 4.9            | 29          | 5.5           | 348                             | 43                         | 28            | .3           | 60                         | --                           | 483              | --               | 352                           | 67            | 783                                       | 7.9 | --    | 82               |  |
| 95022802   | 07-21-60           | 6.8                        | .04       | 64           | 3.0            | --          | --            | 202                             | --                         | --            | .0           | --                         | --                           | 204              | --               | 172                           | 6             | 347                                       | 8.1 | --    | 78               |  |
| 95023603   | 07-21-60           | 11                         | .03       | 63           | 6.6            | 34          | .8            | 186                             | 35                         | 44            | .3           | .3                         | --                           | 287              | --               | 184                           | 32            | 501                                       | 8.2 | --    | 79               |  |
| 95123402   | 07-26-60           | 22                         | .09       | 53           | 16             | 7.9         | .7            | 208                             | 90                         | 8.0           | .4           | .1                         | --                           | 240              | 248              | 198                           | 28            | 401                                       | 8.2 | 4     | 76               |  |
| 95123501   | --                 | --                         | --        | --           | --             | --          | --            | 202                             | --                         | --            | --           | --                         | --                           | 240              | --               | --                            | --            | 404                                       | 7.8 | --    | --               |  |
| 95223201   | 07-21-60           | 26                         | .04       | 49           | 8.6            | 15          | .4            | 210                             | --                         | --            | .2           | --                         | --                           | 215              | --               | 158                           | 0             | 351                                       | 7.6 | --    | 82               |  |
| 95323101   | 07-26-60           | 23                         | .05       | 98           | 20             | --          | --            | 136                             | 168                        | 18            | .5           | --                         | --                           | 397              | --               | 326                           | 15            | 643                                       | 7.4 | --    | 78               |  |
| 95422701   | 07-21-60           | 17                         | .07       | 53           | 9.2            | --          | --            | 194                             | 14                         | 12            | .5           | --                         | --                           | 212              | --               | 170                           | 11            | 359                                       | 7.4 | --    | 79               |  |
| 95423001   | 07-21-60           | 15                         | .09       | 47           | 6.4            | --          | --            | 162                             | 8.0                        | --            | .2           | --                         | --                           | 170              | --               | 144                           | 11            | 280                                       | 7.7 | --    | 85               |  |
| 95522801   | 07-22-60           | 14                         | .10       | 50           | 9.0            | --          | --            | 158                             | 32                         | --            | .4           | --                         | --                           | 208              | --               | 162                           | 32            | 331                                       | 7.4 | --    | 79               |  |
| 95522802   | 07-22-60           | 13                         | .04       | 49           | 2.8            | --          | --            | 152                             | 16                         | --            | .3           | --                         | --                           | 183              | --               | 134                           | 10            | 289                                       | 7.5 | 10    | 76               |  |
| 95522803   | 07-22-60           | 15                         | 0.07      | 53           | 5.4            | --          | --            | 158                             | 26                         | 8.0           | 0.3          | --                         | --                           | 195              | --               | 154                           | 24            | 322                                       | 7.4 | 10    | 80               |  |
| 95522804   | 07-22-60           | 14                         | .10       | 49           | 9.1            | 5.9         | 0.4           | 144                             | 41                         | 6.0           | 0.4          | 0.4                        | 0.1                          | 197              | 243              | 160                           | 42            | 331                                       | 7.1 | --    | 79               |  |
| 95522805   | 07-22-60           | 11                         | .07       | 40           | 3.4            | --          | --            | 128                             | 8.8                        | 7.0           | .2           | --                         | --                           | 138              | --               | 114                           | 9             | 241                                       | 7.4 | --    | 77               |  |
| BRADFORD COUNTY  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| Water-table aquifer  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| 94520204   | 08-19-60           | 7.9                        | 0.05      | 7.2          | 3.6            | --          | --            | 36                              | 1.6                        | 5.5           | 0.1          | --                         | --                           | 48               | --               | 33                            | 4             | 84  | 6.8 | --    | 72               |  |
| 94520402   | 09-22-60           | 14                         | 2.2       | 41           | 21             | --          | --            | 248                             | --                         | --            | .2           | --                         | --                           | 241              | --               | 189                           | 0             | 416                                       | 7.8 | --    | 75               |  |
| 94720207   | 09-29-60           | .7                         | .16       | 21           | .0             | --          | --            | 76                              | --                         | --            | .5           | --                         | --                           | 78               | --               | 52                            | 0             | 150                                       | 6.8 | --    | 72               |  |
| 94720302   | 09-29-60           | .7                         | 5.2       | 1.4          | .5             | --          | --            | 17                              | --                         | --            | .1           | --                         | --                           | 28               | --               | 6                             | 0             | 41  | 6.7 | --    | 75               |  |
| 94820301   | 09-29-60           | .6                         | .04       | 4.0          | .5             | --          | --            | 31                              | 4.4                        | 3.5           | 1.9          | --                         | --                           | 44               | --               | 12                            | 0             | 84  | 7.0 | --    | 75               |  |
| 94820303   | 09-29-60           | .9                         | .03       | 3.2          | .5             | 15          | 0.2           | 42                              | --                         | --            | .0           | --                         | --                           | 45               | --               | 10                            | 0             | 81  | 7.1 | --    | 73               |  |
| 94820306   | 09-30-60           | .8                         | 1.5       | .8           | .2             | --          | --            | 3                               | --                         | --            | .0           | --                         | --                           | 14               | --               | 3                             | 0             | 25  | 6.0 | --    | 76               |  |
| 95020301   | 09-22-60           | .2                         | .08       | 3.2          | 1.5            | 6.6         | .2            | 29                              | --                         | --            | .3           | --                         | --                           | 30               | --               | 14                            | 0             | 66  | 6.8 | --    | 77               |  |
| 95020302   | 08-31-60           | 6.7                        | .72       | 1.0          | .6             | --          | --            | 7                               | --                         | 5.5           | .0           | 0.2                        | --                           | 22               | --               | 5                             | 0             | 32  | 6.2 | --    | 81               |  |
| 95121301   | 08-30-60           | 6.7                        | .21       | 1.6          | 1.9            | 15          | .1            | 8                               | .8                         | 9.5           | .0           | 10                         | --                           | 48               | --               | 12                            | 6             | 104                                       | 6.1 | --    | 74               |  |

|          |          |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |    |
|----------|----------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|
| 95221001 | 08-31-60 | 5.3 | 0.05 | 2.2 | 0.9 | --  | --  | 12  | --  | --  | 0.0 | --  | --  | 23  | --  | 9   | 0  | 35  | 6.2 | 80 |
| 95221202 | 08-30-60 | 9.4 | .02  | 9.6 | 2.9 | --  | --  | 40  | --  | --  | .6  | --  | --  | 59  | --  | 36  | 3  | 98  | 5.7 | 76 |
| 95320501 | 09-22-60 | 6.0 | 1.4  | 4.8 | 3.4 | 19  | 0.5 | 52  | --  | 22  | .5  | 0.7 | --  | 84  | --  | 26  | 0  | 172 | 5.6 | 76 |
| 95321001 | 09-22-60 | 2.6 | .81  | 20  | 2.2 | 12  | .8  | 59  | 16  | 23  | 3.1 | .1  | --  | 110 | --  | 59  | 10 | 221 | 5.6 | -- |
| 95420901 | 08-31-60 | 19  | .76  | 55  | 31  | --  | --  | 324 | --  | --  | .3  | --  | --  | 295 | --  | 164 | 0  | 520 | 7.9 | 76 |
| 95421201 | 08-31-60 | 22  | .12  | 38  | 17  | --  | --  | 200 | --  | --  | .3  | --  | --  | 199 | --  | 165 | 1  | 334 | 7.6 | -- |
| 95620801 | 09-30-60 | 8.5 | 4.8  | 1.2 | 1.7 | 12  | .0  | 0   | 2.4 | 22  | .1  | .4  | 0.0 | 48  | 61  | 10  | 10 | 96  | 4.5 | -- |
| 95720701 | 09-15-60 | 13  | .02  | 28  | 14  | --  | --  | 140 | 2.4 | 5.0 | .6  | --  | --  | 137 | --  | 128 | 13 | 250 | 7.4 | 73 |
| 95720901 | 09-30-60 | 5.3 | 1.1  | 2.4 | 3.9 | 37  | 3.5 | 2   | 2.0 | 48  | .1  | 27  | .0  | 130 | 132 | 22  | 20 | 239 | 5.3 | -- |
| 95721201 | 09-29-60 | 16  | .06  | 50  | 24  | --  | --  | 268 | --  | --  | .3  | --  | --  | 247 | --  | 224 | 4  | 432 | 7.7 | 74 |
| 95721601 | 09-29-60 | 9.8 | .02  | 12  | 3.2 | --  | --  | 47  | --  | 3.0 | .4  | 3.5 | --  | 64  | --  | 43  | 4  | 104 | 6.9 | 74 |
| 95820901 | 09-22-60 | 16  | .01  | 37  | 18  | --  | --  | 156 | 4.8 | 31  | .3  | 12  | --  | 206 | --  | 166 | 38 | 424 | 7.5 | -- |
| 95821002 | 09-22-60 | 8.2 | .56  | 20  | 3.4 | 62  | 5.5 | 64  | 18  | 92  | .2  | 6.6 | .1  | 248 | 274 | 64  | 12 | 467 | 6.9 | -- |
| 95821302 | 09-29-60 | 3.3 | .43  | 10  | 5.8 | 25  | --  | 82  | --  | 25  | .2  | .1  | --  | 116 | --  | 49  | 0  | 220 | 7.1 | 77 |
| 95821501 | 09-22-60 | 15  | .01  | 45  | 21  | --  | --  | 230 | 1.2 | --  | .2  | --  | --  | 223 | --  | 199 | 10 | 394 | 7.8 | -- |
| 95920501 | 10-01-60 | 58  | .36  | 42  | 15  | 20  | 1.1 | 230 | --  | --  | .4  | --  | --  | 269 | --  | 172 | 0  | 389 | 7.8 | -- |
| 95920801 | 10-01-60 | 46  | .04  | 35  | 20  | 25  | --  | 250 | --  | 16  | .4  | --  | --  | 269 | --  | 178 | 0  | 416 | 7.9 | -- |
| 95921101 | 09-30-60 | 8.4 | .26  | 4.0 | 4.9 | 42  | 1.2 | 4   | 4.4 | 55  | .1  | 39  | .0  | 161 | 164 | 30  | 26 | 281 | 5.4 | -- |
| 95921102 | 09-30-60 | 11  | .24  | 1.2 | 1.0 | 11  | .4  | 4   | .8  | 16  | .1  | 2.2 | .0  | 46  | 49  | 7   | 4  | 73  | 5.7 | -- |
| 95921802 | 09-30-60 | 13  | .11  | 48  | 3.9 | 8.4 | 3.7 | 174 | --  | 8.0 | .2  | --  | --  | 175 | --  | 136 | 0  | 302 | 7.7 | -- |
| 00021001 | 10-01-60 | 1.0 | .03  | 12  | 11  | --  | --  | 72  | 8.8 | 36  | .9  | .1  | --  | 127 | --  | 75  | 16 | 255 | 7.4 | 81 |

Secondary artesian aquifer

|          |          |    |      |    |     |    |     |     |     |     |     |     |     |     |     |     |    |     |     |    |
|----------|----------|----|------|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|
| 94520408 | 09-22-60 | 16 | 0.11 | 25 | 16  | 13 | 0.9 | 140 | 0.4 | 20  | 0.6 | 1.0 | --  | 162 | --  | 128 | 14 | 283 | 7.7 | 77 |
| 94520503 | 08-20-60 | 11 | .13  | 15 | 7.9 | -- | --  | 69  | .4  | 16  | .6  | --  | --  | 91  | --  | 70  | 14 | 167 | 7.2 | 76 |
| 94620401 | 09-29-60 | 14 | .46  | 40 | 20  | -- | --  | 222 | --  | --  | .3  | --  | --  | 222 | --  | 182 | 0  | 390 | 7.9 | 75 |
| 94820304 | 08-20-60 | 15 | .10  | 18 | 6.1 | -- | --  | 81  | 11  | --  | .3  | --  | --  | 94  | --  | 70  | 4  | 188 | 7.3 | 73 |
| 94920401 | 08-31-60 | 20 | .58  | 42 | 31  | -- | --  | 248 | 1.2 | --  | .1  | --  | --  | 217 | --  | 232 | 30 | 388 | 6.2 | 78 |
| 95020401 | 08-31-60 | 15 | .10  | 34 | 17  | -- | --  | 190 | --  | --  | .2  | --  | --  | 180 | --  | 155 | 0  | 306 | 6.1 | 78 |
| 95120601 | 08-31-60 | 29 | .03  | 49 | 26  | -- | --  | 288 | --  | --  | .2  | --  | --  | 286 | --  | 230 | 0  | 477 | 7.8 | 74 |
| 95120602 | 08-31-60 | 29 | .04  | 42 | 22  | -- | --  | 250 | --  | --  | .2  | --  | --  | 258 | --  | 196 | 0  | 426 | 7.7 | 76 |
| 95120901 | 08-31-60 | 15 | .07  | 30 | 13  | -- | --  | 150 | .8  | --  | .1  | --  | --  | 158 | --  | 128 | 6  | 265 | 7.5 | 75 |
| 95220901 | 08-31-60 | 18 | .03  | 34 | 16  | -- | --  | 176 | .8  | --  | .1  | --  | --  | 175 | --  | 151 | 7  | 292 | 7.5 | 77 |
| 95220902 | 08-31-60 | 18 | .29  | 36 | 18  | -- | --  | 202 | --  | --  | .3  | --  | --  | 196 | --  | 164 | 0  | 330 | 7.6 | 81 |
| 95221002 | 08-31-60 | 16 | 1.1  | 45 | 19  | -- | --  | 232 | --  | --  | .1  | --  | --  | 212 | --  | 190 | 0  | 369 | 7.6 | 76 |
| 95221201 | 08-30-60 | 17 | .04  | 46 | 25  | -- | --  | 252 | --  | --  | .2  | --  | --  | 245 | --  | 198 | 4  | 433 | 7.7 | -- |
| 95320401 | 08-31-60 | 50 | .31  | 58 | 13  | 16 | 2.2 | 278 | .8  | 8.0 | .4  | .4  | 0.0 | 286 | 285 | 218 | 0  | 426 | 7.7 | 20 |
| 95320801 | 08-31-60 | 20 | 1.8  | 44 | 27  | -- | --  | 262 | --  | --  | .2  | --  | --  | 249 | --  | 221 | 6  | 433 | 7.7 | 78 |
| 95320802 | 09-22-60 | 19 | .59  | 50 | 27  | -- | --  | 290 | --  | --  | .2  | --  | --  | 261 | --  | 236 | 0  | 460 | 7.7 | 74 |
| 95420501 | 08-31-60 | 68 | 1.2  | 54 | 35  | 30 | --  | 326 | --  | 23  | .6  | --  | --  | 363 | --  | 238 | 0  | 544 | 8.0 | 79 |
| 95420801 | 08-31-60 | 24 | .06  | 43 | 26  | -- | --  | 258 | --  | --  | .5  | --  | --  | 234 | --  | 214 | 3  | 402 | 7.8 | 79 |
| 95421001 | 08-31-60 | 11 | .85  | 55 | 19  | -- | --  | 262 | --  | --  | .3  | --  | --  | 223 | --  | 215 | 0  | 414 | 7.8 | -- |

Table 6.--Continued

| Well number                           | Date of collection | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |                |                  |             |                   |                                   |                            |                 |                |                              |                                |                  |                  |                               | pH | Col- or | Tem- per- ature (°F) |  |                  |
|---------------------------------------|--------------------|--|-----------|----------------|------------------|-------------|-------------------|-----------------------------------|----------------------------|-----------------|----------------|------------------------------|--------------------------------|------------------|------------------|-------------------------------|----|---------|----------------------|--|------------------|
|                                       |                    | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Cal- cium (Ca) | Mag- nesium (Mg) | Sodium (Na) | Po- tas- sium (K) | Bicar- bonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chlo- ride (Cl) | Fluo- ride (F) | Ni- trate (NO <sub>3</sub> ) | Phos- phate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |    |         |                      | Specific conductance (micro- mhos at 25°C) |                  |
|                                       |                    |  |           |                |                  |             |                   |                                   |                            |                 |                |                              |                                | Cal- cu- lated   | Residue at 180°C | Calcium, magne- sium          |    |         |                      |  | Non- carbon- ate |
| BRADFORD COUNTY--Continued            |                    |  |           |                |                  |             |                   |                                   |                            |                 |                |                              |                                |                  |                  |                               |    |         |                      |  |                  |
| Secondary artesian aquifer--Continued |                    |  |           |                |                  |             |                   |                                   |                            |                 |                |                              |                                |                  |                  |                               |    |         |                      |  |                  |
| 95520601                              | 09-15-60           | 55   | 0.14      | 47             | 23               | 26          | --                | 280                               | --                         | 22              | 0.6            | 0.0                          |                                | 312              |                  | 212                           | 0  | 489     | 7.5                  | 77   |                  |
| 95520602                              | 09-15-60           | 18   | .12       | 50             | 23               | --          | --                | 260                               | 2.8                        | 12              | .5             | --                           |                                | 241              |                  | 220                           | 6  | 422     | 7.6                  | 74   |                  |
| 95520802                              | 09-30-60           | 17   | .43       | 51             | 27               | --          | --                | 290                               | --                         | --              | .2             | --                           |                                | 264              |                  | 238                           | 0  | 468     | 7.8                  | 76   |                  |
| 95720401                              | 10-01-60           | 43   | .82       | 47             | 18               | 17          | --                | 248                               | --                         | 10              | .3             | .0                           |                                | 258              |                  | 192                           | 0  | 403     | 7.7                  | 84   |                  |
| 95720601                              | 09-15-60           | 69   | .33       | 50             | 24               | 25          | --                | 294                               | --                         | 23              | .4             | --                           |                                | 337              |                  | 224                           | 0  | 505     | 7.8                  | 74   |                  |
| 95720702                              | 09-15-60           | 18   | .03       | 35             | 18               | --          | --                | 194                               | --                         | --              | .3             | --                           |                                | 197              |                  | 162                           | 22 | 332     | 7.6                  | 78   |                  |
| 95820701                              | 09-15-60           | 42   | .06       | 43             | 24               | 20          | --                | 266                               | --                         | 17              | .2             | .0                           |                                | 287              |                  | 206                           | 0  | 451     | 7.8                  | 77   |                  |
| 95821001                              | 08-22-80           | 13   | .04       | 51             | 23               | --          | --                | 266                               | --                         | --              | .2             | --                           |                                | 250              |                  | 222                           | 4  | 444     | 7.7                  | 73   |                  |
| 95920301                              | 10-01-80           | 37   | 1.2       | 46             | 5.6              | --          | --                | 182                               | --                         | --              | .3             | --                           |                                | 201              |                  | 144                           | 0  | 296     | 7.6                  | 79   |                  |
| 95920701                              | 10-01-80           | 46   | .15       | 46             | 23               | 18          | --                | 270                               | --                         | 18              | .4             | --                           |                                | 291              |                  | 213                           | 0  | 458     | 7.9                  | --   |                  |
| 95920901                              | 10-01-80           | 20   | .02       | 45             | 22               | --          | --                | 244                               | --                         | --              | .3             | --                           |                                | 243              |                  | 203                           | 3  | 415     | 7.9                  | 80   |                  |
| 95921501                              | 09-30-80           | 16   | .14       | 41             | 22               | --          | --                | 236                               | --                         | --              | .3             | --                           |                                | 219              |                  | 193                           | 0  | 381     | 7.7                  | 76   |                  |
| 95921601                              | 09-30-80           | 17   | .13       | 42             | 20               | --          | --                | 230                               | --                         | --              | .3             | --                           |                                | 211              |                  | 187                           | 0  | 367     | 7.9                  | 77   |                  |
| 95921603                              | 09-30-80           | 16   | --        | 33             | 16               | --          | --                | 180                               | --                         | --              | .3             | --                           |                                | 179              |                  | 148                           | 1  | 302     | 7.7                  | 81   |                  |
| 00121501                              | 09-29-80           | 18   | .08       | 33             | 15               | --          | --                | 172                               | --                         | --              | .3             | --                           |                                | 176              |                  | 144                           | 3  | 291     | 7.9                  | 76   |                  |
| Floridan aquifer                      |                    |  |           |                |                  |             |                   |                                   |                            |                 |                |                              |                                |                  |                  |                               |    |         |                      |  |                  |
| 94420301                              | 07-15-60           | 21   | 0.10      | 45             | 14               |             |                   | 220                               | --                         | --              | 0.4            |                              |                                | 226              |                  | 170                           | 0  | 373     | 8.0                  | 73   |                  |
| 94420301                              | 08-23-60           | 21   | .08       | 44             | 15               |             |                   | 214                               | --                         | --              | .4             |                              |                                | 185              |                  | --                            | -- | 370     | 7.9                  | 73   |                  |
| 94520308                              | 08-18-60           | 20   | .04       | 56             | 23               |             |                   | 300                               | --                         | --              | .4             |                              |                                | 293              |                  | 234                           | 0  | 503     | 8.1                  | 82   |                  |
| 94520602                              | 08-20-60           | 19   | .19       | 30             | 7.5              |             |                   | 134                               | 0.4                        | 16              | .7             |                              |                                | 157              |                  | 106                           | 0  | 287     | 7.7                  | 76   |                  |
| 94820302                              | 08-20-60           | 16   | .05       | 22             | 9.2              |             |                   | 119                               | --                         | --              | .1             |                              |                                | 133              |                  | 93                            | 0  | 212     | 7.3                  | 74   |                  |
| 95021301                              | 08-30-80           | 1.2  | .14       | 4.8            | 12               |             |                   | 91                                | 3.6                        | 9.0             | .5             |                              |                                | 90               |                  | 62                            | 0  | 176     | 7.6                  | 78   |                  |
| 95322001                              | 09-15-80           | 16   | .16       | 29             | 13               |             |                   | 136                               | 12                         | --              | .4             |                              |                                | 159              |                  | 126                           | 16 | 257     | 7.1                  | 78   |                  |
| 95521901                              | 09-15-80           | 30   | .78       | 38             | 16               |             |                   | 198                               | --                         | --              | .6             |                              |                                | 204              |                  | 161                           | 0  | 323     | 7.4                  | --   |                  |
| 95821301                              | 09-29-80           | 17   | .47       | 57             | 27               |             |                   | 310                               | --                         | --              | .4             |                              |                                | 282              |                  | 253                           | 0  | 505     | 7.9                  | 74   |                  |
| 00320301                              | 06-28-80           | 13   | --        | 30             | 10               |             |                   | 136                               | 8.4                        | --              | .3             |                              |                                | 150              |                  | 116                           | 4  | 247     | 8.0                  | 75   |                  |



## CLAY COUNTY

## Water-table aquifer

|          |          |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |    |
|----------|----------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|
| 94320201 | 08-23-60 | 4.2 | 0.18 | 10  | 7.5 | 24  | 2.4 | 80  | 30  | 18  | 0.2 | 0.4 | 0.1 | 136 | 162 | 56  | 0  | 250 | 6.8 | 110 | 77 |
| 94615601 | 08-23-60 | 1.2 | .08  | .8  | .5  | 20  | .5  | 41  | 6.0 | 4.0 | .0  | .0  | .0  | 53  | 70  | 4   | 0  | 97  | 6.7 | 30  | 80 |
| 94615901 | 08-23-60 | .0  | .03  | 2.2 | .5  | --  | --  | 17  | --  | 10  | 1.7 | .5  | --  | 57  | --  | 8   | 0  | 97  | 6.5 | --  | 74 |
| 94620001 | 08-17-60 | 12  | .07  | 30  | 10  | --  | --  | 146 | --  | --  | .3  | --  | --  | 134 | --  | 116 | 0  | 254 | 7.4 | --  | 73 |
| 94620002 | 08-17-60 | 4.7 | .27  | 4.0 | 1.9 | 12  | 2.4 | 3   | 21  | 8.0 | .1  | 7.3 | .0  | 63  | 71  | 18  | 16 | 109 | 5.8 | --  | 76 |
| 94620202 | 08-17-60 | 2.9 | .80  | 5.2 | 2.7 | 12  | .6  | 27  | 11  | 11  | .2  | .2  | .0  | 59  | 75  | 24  | 2  | 109 | 6.6 | 100 | 76 |
| 94620203 | 08-17-60 | 6.3 | .07  | 1.8 | .6  | --  | --  | 10  | --  | 4.5 | .1  | --  | --  | 32  | --  | 6   | 0  | 43  | 6.3 | --  | 76 |
| 94720001 | 08-19-60 | 1.9 | .35  | 1.2 | .5  | --  | --  | 5   | --  | --  | .1  | --  | --  | 23  | --  | 5   | 1  | 37  | 6.2 | --  | 74 |
| 94720002 | 08-19-60 | 1.6 | 1.0  | 2.4 | .5  | 3.7 | .4  | 18  | .8  | 5.5 | .1  | .0  | .1  | 24  | 26  | 8   | 0  | 51  | 6.6 | 30  | 80 |
| 94720103 | 08-24-60 | 1.3 | .16  | 7.6 | 1.5 | --  | --  | 47  | --  | --  | .1  | --  | --  | 58  | --  | 25  | 0  | 108 | 6.4 | --  | 79 |
| 94720109 | 08-18-60 | 2.6 | 4.8  | 10  | 5.6 | 4.7 | .5  | 0   | 72  | 40  | .1  | .1  | .0  | 136 | 260 | 48  | 48 | 336 | 4.2 | --  | 82 |
| 94720202 | 08-19-60 | 7.2 | .06  | 8.0 | .5  | 3.2 | 1.7 | 29  | 3.6 | 1.5 | .1  | .0  | .6  | 40  | 44  | 22  | 0  | 62  | 6.9 | 30  | 78 |
| 94720206 | 08-19-60 | .0  | .31  | 26  | 9.5 | --  | --  | 146 | 6.0 | 30  | .2  | .0  | --  | 156 | --  | 143 | 24 | 331 | 6.9 | --  | 73 |
| 94820001 | 08-24-60 | 1.2 | .10  | 3.6 | 1.2 | --  | --  | 25  | --  | 3.0 | 1.2 | .5  | --  | 52  | --  | 14  | 0  | 90  | 6.8 | --  | 78 |
| 94915901 | 08-24-60 | .8  | .04  | 3.6 | .7  | 7.3 | .2  | 13  | --  | --  | 2.2 | --  | --  | 30  | --  | 12  | 2  | 64  | 6.6 | --  | 79 |
| 94920101 | 08-25-60 | 4.0 | .13  | 11  | 5.0 | --  | --  | 126 | --  | 10  | .1  | .3  | --  | 141 | --  | 48  | 0  | 258 | 6.9 | --  | 79 |
| 95015501 | 08-23-60 | 3.0 | .08  | 5.6 | 1.5 | 21  | 1.8 | 59  | 9.2 | 9.5 | .5  | 3.4 | --  | 84  | 90  | 20  | 0  | 146 | 7.4 | 0   | 83 |
| 95115601 | 08-19-60 | 3.8 | .19  | .6  | .7  | --  | --  | 8   | --  | --  | .0  | --  | --  | 27  | --  | 4   | 0  | 38  | 6.0 | --  | 76 |
| 95120101 | 08-25-60 | 3.8 | 1.6  | 1.6 | .6  | --  | --  | 6   | --  | --  | .1  | --  | --  | 22  | --  | 6   | 2  | 32  | 6.1 | --  | -- |
| 95220101 | 08-25-60 | 3.1 | .30  | 1.2 | .7  | --  | --  | 9   | --  | --  | .0  | --  | --  | 27  | --  | 6   | 0  | 42  | 6.1 | --  | -- |
| 95314001 | 08-30-60 | 2.8 | 1.4  | --  | --  | 3.4 | .2  | 9   | .4  | 6.5 | .1  | --  | --  | 24  | --  | --  | -- | 38  | 6.2 | --  | 78 |
| 95315401 | 08-30-60 | 2.8 | .33  | 4.0 | 3.2 | 9.2 | 8.8 | 75  | --  | 18  | .5  | .2  | --  | 89  | --  | 23  | 0  | 200 | 6.7 | --  | 79 |
| 95414001 | 07-30-60 | 4.4 | .05  | 1.0 | .6  | --  | --  | 7   | --  | --  | .0  | --  | --  | 17  | --  | 5   | 0  | 38  | 6.2 | --  | 79 |
| 95415301 | 08-25-60 | 14  | .34  | 32  | 18  | --  | --  | 184 | --  | --  | .3  | --  | --  | 160 | --  | 154 | 3  | 304 | 7.4 | --  | 76 |
| 95514101 | 08-25-60 | 5.9 | 1.1  | 1.6 | 2.2 | 16  | .6  | 7   | 12  | 19  | .1  | .0  | .0  | 61  | 62  | 13  | 8  | 104 | 5.9 | --  | -- |
| 95515301 | 08-24-60 | 7.2 | .16  | 10  | 5.4 | 21  | --  | 102 | --  | 12  | 1.8 | .0  | --  | 108 | --  | 47  | 0  | 193 | 6.9 | --  | 79 |
| 95720201 | 08-24-60 | 2.5 | .04  | 2.8 | 1.0 | 13  | .5  | 15  | 6.0 | 14  | 2.8 | .4  | .1  | 50  | 66  | 11  | 0  | 103 | 6.4 | 20  | -- |
| 95820002 | 08-25-60 | 4.5 | .16  | 1.4 | .5  | --  | --  | 9   | --  | --  | .0  | --  | --  | 22  | --  | 6   | 0  | 33  | 6.5 | --  | 78 |
| 95914201 | 08-26-60 | 6.5 | .15  | 2.4 | 4.1 | 13  | .6  | 5   | 4.4 | 10  | .1  | 34  | .0  | 78  | 85  | 23  | 19 | 121 | 6.1 | --  | -- |
| 95914202 | 07-30-60 | 2.3 | .17  | 3.2 | 1.7 | --  | --  | 4   | 8.0 | 22  | .1  | .0  | --  | 52  | --  | 15  | 12 | 104 | 6.0 | --  | 76 |
| 00015201 | 08-25-60 | 7.1 | .02  | 37  | 1.8 | 9.0 | 15  | 78  | 10  | 15  | .2  | 47  | --  | 196 | --  | 100 | 36 | 311 | 7.5 | 5   | -- |
| 00214901 | 08-25-60 | 3.0 | 1.9  | 2.0 | .6  | --  | --  | 9   | --  | --  | .1  | --  | --  | 24  | --  | 8   | 0  | 41  | 6.3 | --  | 76 |
| 00214902 | 08-25-60 | 5.7 | .68  | 1.2 | .5  | 3.8 | .0  | 7   | .4  | 6.5 | .1  | .5  | .0  | 22  | 24  | 5   | 0  | 39  | 6.2 | 20  | -- |
| 00215101 | 08-24-60 | --  | .22  | --  | --  | --  | --  | 238 | --  | --  | .5  | --  | --  | 196 | --  | 195 | 0  | 377 | 8.1 | --  | 76 |
| 00215302 | 08-20-60 | 3.6 | .28  | 3.0 | .4  | --  | --  | 12  | --  | --  | .1  | --  | --  | 35  | --  | 9   | 0  | 59  | 6.5 | --  | 74 |
| 00415901 | 07-29-60 | 18  | .93  | 56  | 9.8 | --  | --  | 228 | --  | --  | .5  | --  | --  | 200 | --  | 187 | 0  | 361 | 8.2 | --  | 72 |
| 00615001 | 07-29-60 | 5.6 | .11  | 37  | 15  | --  | --  | 184 | --  | --  | .5  | --  | --  | 151 | --  | 154 | 3  | 308 | 8.0 | --  | 76 |
| 00615101 | --       | 11  | .14  | 52  | 22  | 7.4 | --  | 278 | --  | 9.5 | .2  | --  | --  | 239 | --  | 220 | 0  | 438 | 8.1 | --  | -- |

Table 8, --Continued

| Chemical analyses in parts per million, except specific conductance, pH, and color--Continued |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
|---|--------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|
| Well number   | Date of collection | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |
|   |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |
| CLAY COUNTY--Continued  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| Water-table aquifer--Continued  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| 00815901  | 07-18-60           | 19                         | 0.27      | 54           | 11             | 8.4         | --            | 234                             | --                         | 5.5           | 0.3          | --                         | --                           | 213              | --               | 180                           | 0             | 370                                       | 8.0 | --    | --               |
| 00815902  | 07-18-60           | 19                         | .18       | 57           | 11             | --          | --            | 242                             | --                         | --            | .3           | --                         | --                           | 213              | --               | 187                           | 0             | 380                                       | 7.9 | --    | 80               |
| 00715801  | 07-18-60           | 10                         | .07       | 58           | 17             | --          | --            | 280                             | --                         | --            | .3           | --                         | --                           | 227              | --               | 226                           | 0             | 425                                       | 7.9 | --    | --               |
| 00715901  | 07-18-60           | 20                         | .33       | 67           | 8.8            | --          | --            | 250                             | --                         | --            | .2           | --                         | --                           | 221              | --               | 202                           | 0             | 400                                       | 8.1 | --    | 80               |
| 00715902  | 07-18-60           | 4.7                        | 1.7       | 2.0          | 3.2            | 4.6         | --            | 42                              | --                         | 9.0           | .1           | 0.0                        | --                           | 55               | --               | 18                            | 0             | 93  | 8.8 | --    | --               |
| 00815901  | 07-18-60           | 6.2                        | .11       | 3.2          | 1.5            | 26          | --            | 6.8                             | 8                          | 22            | .1           | 12                         | 0.1                          | 109              | 110              | 14                            | 8             | 187                                       | 8.5 | --    | --               |
| 00920001  | 07-18-60           | 15                         | 5.0       | 54           | 27             | --          | --            | 288                             | --                         | --            | .3           | --                         | --                           | 255              | --               | 246                           | 0             | 474                                       | 8.3 | --    | 74               |
| 01014303  | 07-18-60           | 18                         | .18       | 33           | 17             | --          | --            | 132                             | --                         | --            | .6           | --                         | --                           | 192              | --               | 152                           | 44            | 337                                       | 7.9 | --    | 78               |
| 01115901  | 07-18-60           | 3.8                        | .83       | 3.2          | 4.9            | 28          | --            | 2.0                             | 8                          | .8            | 40           | .1                         | 35                           | .0               | 122              | 142                           | 28            | 220                                       | 8.4 | --    | --               |
| Secondary artesian aquifer  |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |
| 94415904  | 08-18-60           | 16                         | 0.03      | 15           | 4.0            | --          | --            | 65                              | 2.4                        | 6.0           | 0.5          | --                         | --                           | 81               | --               | 54                            | 0             | 130                                       | 7.2 | --    | 79               |
| 94415905  | 08-18-60           | 5.4                        | .97       | 7.6          | 2.2            | --          | --            | 34                              | 1.6                        | 8.5           | .6           | --                         | --                           | 48               | --               | 28                            | 0             | 88  | 6.8 | --    | 83               |
| 94520001  | 08-17-60           | 11                         | .24       | 28           | 7.8            | --          | --            | 120                             | 2.0                        | --            | .3           | --                         | --                           | 136              | --               | 102                           | 4             | 223                                       | 7.0 | --    | 75               |
| 94520002  | 08-17-60           | 12                         | .21       | 26           | 9.5            | --          | --            | 127                             | --                         | --            | .2           | --                         | --                           | 136              | --               | 104                           | 0             | 226                                       | 7.4 | --    | 78               |
| 94520103  | 08-18-60           | 10                         | 3.9       | 20           | 5.8            | --          | --            | 88                              | 1.2                        | 14            | .2           | --                         | --                           | 107              | --               | 74                            | 2             | 189                                       | 7.5 | --    | 75               |
| 94520204  | 08-18-60           | 0.9                        | .06       | 6.0          | 8.5            | --          | --            | 58                              | 5.6                        | --            | 0.4          | --                         | --                           | 61               | --               | 50                            | 2             | 124                                       | 7.3 | --    | 77               |
| 94615902  | 08-17-60           | 16                         | .04       | 14           | 9.0            | --          | --            | 83                              | --                         | --            | .2           | --                         | --                           | 91               | --               | 72                            | 4             | 148                                       | 7.1 | --    | 74               |
| 94615903  | 08-17-60           | 7.9                        | .07       | 15           | 6.9            | --          | --            | 77                              | --                         | --            | .2           | --                         | --                           | 79               | --               | 66                            | 3             | 137                                       | 7.0 | --    | 74               |
| 94620003  | 08-17-60           | 12                         | .03       | 16           | 9.5            | --          | --            | 96                              | .4                         | --            | .3           | --                         | --                           | 112              | --               | 79                            | 0             | 185                                       | 8.8 | --    | 72               |
| 94620005  | 08-17-60           | .5                         | .03       | 5.0          | .6             | --          | --            | 24                              | 2.8                        | --            | .1           | --                         | --                           | 31               | --               | 15                            | 0             | 56  | 8.6 | --    | 74               |
| 94715901  | 08-18-60           | 13                         | .03       | 25           | 9.1            | --          | --            | 118                             | --                         | --            | .3           | --                         | --                           | 127              | --               | 100                           | 4             | 211                                       | 7.5 | --    | 82               |
| 94720105  | 08-19-60           | 4.4                        | .07       | 13           | 6.7            | --          | --            | 68                              | .8                         | --            | .3           | --                         | --                           | 72               | --               | 60                            | 4             | 128                                       | 7.1 | --    | 82               |
| 94720108  | 08-19-60           | 11                         | .08       | 13           | 3.8            | 4.2         | --            | 2                               | 55                         | 6.5           | .4           | .3                         | --                           | 67               | --               | 48                            | 3             | 119                                       | 8.7 | --    | 80               |
| 94720112  | 08-19-60           | 12                         | 1.3       | 14           | 5.6            | --          | --            | 79                              | 3.2                        | 12            | .5           | --                         | --                           | 90               | --               | 58                            | 0             | 169                                       | 7.0 | --    | 74               |
| 94720113  | 08-18-60           | 14                         | .08       | 18           | 7.8            | --          | --            | 91                              | .4                         | 9.0           | .2           | --                         | --                           | 99               | --               | 77                            | 2             | 171                                       | 7.3 | --    | 81               |
| 94720205  | 08-19-60           | 3.6                        | .39       | 1.2          | .2             | --          | --            | 14                              | .4                         | 7.5           | --           | --                         | --                           | 29               | --               | 4                             | 0             | 48  | 8.4 | --    | 77               |
| 94720210  | 08-19-60           | 8.2                        | .03       | 13           | 4.7            | --          | --            | 71                              | --                         | --            | .3           | --                         | --                           | 59               | --               | 52                            | 0             | 127                                       | 8.9 | --    | 80               |
| 94815401  | 08-18-60           | 9.4                        | .03       | 32           | 1.0            | --          | --            | 104                             | --                         | --            | .1           | --                         | --                           | 115              | --               | 84                            | 0             | 185                                       | 7.5 | --    | 76               |
| 94815402  | 08-18-60           | 17                         | .04       | 29           | 4.0            | --          | --            | 110                             | --                         | --            | .3           | --                         | --                           | 126              | --               | 89                            | 0             | 198                                       | 7.5 | --    | 74               |
| 94820103  | 08-19-60           | 9.2                        | .03       | 14           | 7.5            | --          | --            | 80                              | 1.2                        | --            | .4           | --                         | --                           | 80               | --               | 66                            | 0             | 146                                       | 7.2 | --    | 74               |
| 94820104  | 08-19-60           | 11                         | .10       | 18           | 8.5            | --          | --            | 97                              | --                         | --            | .1           | --                         | --                           | 104              | --               | 80                            | 0             | 173                                       | 7.5 | --    | 74               |
| 94820106  | 08-19-60           | 14                         | .05       | 12           | 5.4            | --          | --            | 66                              | 2.0                        | --            | .2           | --                         | --                           | 76               | --               | 52                            | 0             | 124                                       | 7.2 | --    | 74               |
| 94820203  | 08-19-60           | 9.0                        | .08       | 8.8          | 3.4            | --          | --            | 44                              | 2.0                        | 6.0           | .4           | --                         | --                           | 58               | --               | 36                            | 0             | 99  | 7.0 | --    | 78               |
| 94915704  | 08-18-60           | 9.5                        | .02       | 20           | 5.6            | --          | --            | 90                              | --                         | --            | .0           | --                         | --                           | 98               | --               | 73                            | 0             | 163                                       | 7.3 | --    | 78               |

|          |          |     |      |    |     |     |     |     |     |     |     |     |     |     |     |     |   |     |     |    |    |
|----------|----------|-----|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|----|----|
| 94918804 | 08-19-60 | 9.0 | 0.02 | 12 | 5.8 | --  | --  | 66  | 2.4 | --  | 0.2 | --  | --  | 68  | --  | 54  | 0 | 123 | 7.4 | -- | 73 |
| 95014301 | 08-24-60 | 11  | .05  | 74 | 2.8 | --  | --  | 240 | --  | --  | .2  | --  | --  | 230 | --  | 196 | 0 | 389 | 8.2 | -- | 73 |
| 95213703 | 08-26-60 | 29  | .65  | 91 | 1.7 | --  | --  | 288 | --  | --  | --  | --  | --  | 302 | --  | 234 | 0 | 479 | 7.9 | -- | 74 |
| 95214701 | 08-24-60 | 55  | .09  | 60 | 18  | 17  | 2.4 | 288 | .8  | 12  | 1.9 | 0.2 | 0.2 | 310 | 310 | 224 | 0 | 488 | 7.8 | 20 | 79 |
| 95214702 | 08-24-60 | 1.1 | .06  | 32 | 16  | 26  | 3.4 | 146 | .0  | 40  | 1.6 | 0.4 | .0  | 182 | 184 | 120 | 0 | 326 | 7.5 | 20 | 72 |
| 95214801 | 08-24-60 | 75  | .10  | 66 | 11  | 22  | 2.2 | 288 | .8  | 14  | 1.9 | .2  | .0  | 335 | 343 | 210 | 0 | 477 | 7.8 | 20 | 77 |
| 95415302 | 08-20-60 | 22  | .05  | 42 | 14  | 14  | --  | 220 | --  | 5.0 | .3  | --  | --  | 209 | --  | 162 | 0 | 352 | 7.7 | -- | 75 |
| 95514501 | 08-24-60 | 65  | .09  | 44 | 18  | 14  | --  | 238 | --  | 5.0 | .4  | .0  | --  | 274 | --  | 184 | 0 | 382 | 7.6 | -- | 76 |
| 95514502 | 08-24-60 | 73  | .05  | 48 | 18  | 14  | --  | 245 | --  | 5.0 | 2.1 | --  | --  | 289 | --  | 193 | 0 | 393 | 7.6 | -- | 74 |
| 95714401 | 08-25-60 | 14  | .31  | 72 | 2.1 | --  | --  | 232 | --  | --  | .2  | --  | --  | 226 | --  | 188 | 0 | 377 | 7.7 | -- | 79 |
| 95720001 | 08-25-60 | 27  | .15  | 30 | 10  | --  | --  | 142 | --  | --  | .2  | --  | --  | 154 | --  | 116 | 0 | 236 | 7.3 | -- | -- |
| 95814501 | 08-20-60 | 13  | .07  | 69 | 2.9 | --  | --  | 230 | --  | --  | .3  | --  | --  | 212 | --  | 184 | 0 | 358 | 7.6 | -- | 78 |
| 95814801 | 08-20-60 | 8.4 | .06  | 22 | 6.1 | --  | --  | 95  | --  | --  | .6  | --  | --  | 100 | --  | 80  | 2 | 167 | 7.2 | -- | 78 |
| 95820001 | 08-25-60 | 24  | .24  | 40 | 10  | 4.5 | --  | 172 | --  | --  | .3  | --  | --  | 171 | --  | 140 | 0 | 271 | 7.4 | -- | 79 |
| 00215303 | 08-20-60 | 16  | .02  | 38 | 4.6 | --  | --  | 145 | --  | --  | .3  | --  | --  | 148 | --  | 114 | 0 | 244 | 7.6 | -- | 74 |
| 00315201 | 08-25-60 | 28  | .08  | 32 | 15  | 21  | 2.2 | 194 | --  | --  | 1.6 | --  | --  | 217 | --  | 142 | 0 | 324 | 8.1 | -- | -- |
| 00315202 | 08-25-60 | 43  | .02  | 30 | 13  | 22  | 3.2 | 190 | --  | --  | 1.3 | --  | --  | 225 | --  | 130 | 0 | 322 | 8.1 | -- | -- |
| 00615202 | 07-29-60 | 11  | .06  | 61 | 19  | --  | --  | 284 | --  | --  | .2  | --  | --  | 247 | --  | 230 | 0 | 440 | 8.0 | -- | 79 |
| 00814502 | 07-18-60 | 18  | .40  | 45 | 9.6 | --  | --  | 178 | --  | --  | .5  | --  | --  | 188 | --  | 152 | 6 | 303 | 8.1 | -- | 72 |
| 00814601 | 07-18-60 | 19  | .11  | 34 | 2.7 | --  | --  | 132 | --  | --  | .3  | --  | --  | 135 | --  | 96  | 0 | 209 | 7.8 | 10 | 79 |
| 01114901 | 07-18-60 | 6.8 | .08  | 34 | 5.1 | --  | --  | 129 | 1.6 | --  | .3  | --  | --  | 149 | --  | 106 | 0 | 249 | 7.9 | -- | 79 |

Floridan aquifer

|          |          |     |     |     |     |     |     |     |     |     |     |     |    |     |    |     |    |     |     |    |    |
|----------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|----|-----|-----|----|----|
| 94320202 | 08-17-60 | 2.7 | 1.4 | 11  | 0.4 | --  | --  | 36  | 0.4 | 9.5 | 0.1 | --  | -- | 51  | -- | 29  | 0  | 94  | 6.8 | -- | -- |
| 94415902 | 08-18-60 | 8.9 | .36 | 30  | 4.6 | --  | --  | 112 | --  | --  | .2  | --  | -- | 113 | -- | 94  | 2  | 200 | 7.4 | -- | 80 |
| 94415903 | 08-30-60 | 13  | .17 | 26  | 6.1 | --  | --  | 107 | .4  | 8.0 | .2  | --  | -- | 113 | -- | 90  | 2  | 194 | 7.6 | -- | 78 |
| 94520101 | 08-17-60 | --  | .03 | --  | --  | --  | --  | --  | --  | --  | --  | --  | -- | --  | -- | --  | -- | --  | --  | -- | -- |
| 94520102 | 08-17-60 | 20  | --  | 43  | 19  | --  | --  | 240 | --  | --  | .4  | --  | -- | 235 | -- | 186 | 0  | 398 | 7.9 | -- | 75 |
| 94520201 | 08-18-60 | 16  | .06 | 38  | 10  | --  | --  | 164 | --  | --  | .4  | --  | -- | 168 | -- | 136 | 2  | 281 | 7.7 | -- | 79 |
| 94520202 | 08-18-60 | 14  | .20 | 13  | 3.8 | --  | --  | 54  | .8  | 7.0 | .3  | --  | -- | 70  | -- | 48  | 4  | 117 | 7.1 | -- | 78 |
| 94615904 | 08-17-60 | .2  | .09 | 8.8 | 7.3 | --  | --  | 66  | --  | --  | .5  | --  | -- | 63  | -- | 52  | 0  | 130 | 7.1 | -- | 74 |
| 94620204 | 08-20-60 | 11  | .03 | 27  | 7.4 | --  | --  | 114 | --  | --  | .3  | --  | -- | 117 | -- | 98  | 4  | 204 | 7.5 | -- | 75 |
| 94720101 | 08-17-60 | --  | --  | --  | --  | --  | --  | 80  | 4.8 | --  | --  | --  | -- | --  | -- | --  | -- | 162 | 7.6 | -- | 82 |
| 94720101 | 08-19-60 | --  | .03 | --  | --  | --  | --  | 79  | --  | --  | --  | --  | -- | --  | -- | --  | -- | 154 | 7.0 | -- | 75 |
| 94720102 | 05-17-60 | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | --  | -- | --  | -- | --  | -- | 138 | --  | -- | 82 |
| 94720102 | 08-19-60 | 13  | .09 | 14  | 5.8 | --  | --  | 65  | 2.0 | 6.0 | .2  | --  | -- | 76  | -- | 59  | 6  | 136 | 7.4 | -- | 75 |
| 94720104 | 08-19-60 | .9  | .07 | 5.2 | 4.1 | --  | --  | 38  | .8  | 8.0 | .3  | 3.0 | -- | 49  | -- | 30  | 0  | 105 | 6.9 | -- | 80 |
| 94720106 | 08-19-60 | 7.5 | .08 | 27  | 3.0 | --  | --  | 97  | --  | --  | .2  | --  | -- | 94  | -- | 80  | 0  | 174 | 7.8 | -- | 78 |
| 94720111 | 08-18-60 | 13  | .03 | 13  | 6.0 | --  | --  | 68  | 1.6 | --  | .2  | --  | -- | 72  | -- | 57  | 1  | 124 | 7.7 | -- | 89 |
| 94820101 | 08-19-60 | 8.2 | .05 | 15  | 4.1 | 4.9 | 0.1 | 75  | 1.6 | 5.0 | .2  | .6  | -- | 80  | 87 | 82  | 0  | 145 | 7.3 | -- | 74 |
| 94820201 | 08-19-60 | 12  | .86 | 31  | 8.9 | --  | --  | 138 | --  | --  | .1  | --  | -- | 151 | -- | 114 | 1  | 249 | 7.6 | -- | 74 |
| 94820202 | 08-19-60 | 16  | .28 | 28  | 10  | --  | --  | 136 | --  | --  | .1  | --  | -- | 148 | -- | 111 | 0  | 239 | 7.8 | -- | 74 |

Table 6.--Continued

Chemical analyses in parts per million except specific conductance, pH, and color--Continued

| Well number                 | Date of collection | Silica (SiO <sub>2</sub> ) | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  | Hardness as CaCO <sub>3</sub> |               | Specific conductance (micro-mhos at 25°C) | pH  | Color | Temperature (°F) |  |
|-----------------------------|--------------------|----------------------------|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|-------------------------------|---------------|---|-----|-------|------------------|--|
|                             |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calculated       | Residue at 180°C | Calcium, magnesium            | Non-carbonate |   |     |       |                  |  |
| CLAY COUNTY--Continued      |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| Floridan aquifer--Continued |                    |                            |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |                               |               |   |     |       |                  |  |
| 94915705                    | 08-18-60           | 9.8                        | 0.06      | 30           | 5.8            | --          | --            | 90                              | --                         | --            | 0.0          | --                         | --                           | 88               | --               | 74                            | 0             | 163                                       | 7.5 | --    | 74               |  |
| 94915801                    | 08-18-60           | 8.8                        | .03       | 30           | 4.9            | --          | --            | 84                              | --                         | --            | .0           | --                         | --                           | 81               | --               | 70                            | 1             | 149                                       | 7.6 | --    | --               |  |
| 94915802                    | 08-18-60           | 9.8                        | .03       | 30           | 5.6            | --          | --            | 90                              | --                         | --            | .0           | --                         | --                           | 89               | --               | 73                            | 0             | 164                                       | 7.4 | --    | 74               |  |
| 94915803                    | 08-18-60           | 10                         | --        | 21           | 5.2            | --          | --            | 91                              | 2.0                        | --            | .2           | --                         | --                           | 93               | --               | 74                            | 0             | 169                                       | 7.3 | --    | 74               |  |
| 94920201                    | 08-18-60           | 8.7                        | .04       | 27           | 5.7            | 3.5         | 0.1           | 110                             | .8                         | 5.0           | .1           | 0.7                        | --                           | 106              | 114              | 91                            | 1             | 191                                       | 7.6 | --    | 73               |  |
| 95013702                    | 08-25-60           | 13                         | .07       | 26           | 14             | --          | --            | 136                             | 15                         | --            | .3           | --                         | --                           | 147              | --               | 122                           | 11            | 258                                       | 7.9 | --    | 76               |  |
| 95113701                    | 06-10-60           | --                         | --        | --           | --             | --          | --            | 110                             | 50                         | --            | --           | --                         | --                           | --               | --               | --                            | --            | 308                                       | 7.8 | --    | --               |  |
| 95113701                    | 08-25-60           | 12                         | .03       | 30           | 17             | --          | --            | 120                             | 46                         | 7.0           | .4           | --                         | --                           | 177              | --               | 145                           | 46            | 305                                       | 7.8 | --    | 73               |  |
| 95113702                    | 08-25-60           | 14                         | .01       | 28           | 11             | --          | --            | 125                             | 10                         | --            | .4           | --                         | --                           | 135              | --               | 108                           | 5             | 236                                       | 7.4 | --    | 76               |  |
| 95213702                    | 08-25-60           | 14                         | .09       | 60           | 27             | --          | --            | 110                             | 166                        | --            | .3           | --                         | --                           | 357              | --               | 260                           | 70            | 528                                       | 7.3 | --    | 74               |  |
| 95213901                    | 08-30-60           | 27                         | .51       | 91           | 2.2            | 9.5         | 1.7           | 306                             | .8                         | 10            | .3           | .4                         | 0.1                          | 294              | 310              | 236                           | 0             | 484                                       | 7.4 | 20    | 85               |  |
| 95213701                    | 08-25-60           | 13                         | .02       | 23           | 13             | 28          | 6.8           | 184                             | --                         | --            | 1.4          | --                         | --                           | 194              | --               | 111                           | 0             | 325                                       | 7.6 | --    | 74               |  |
| 95213801                    | 08-25-60           | 12                         | .04       | 21           | 12             | --          | --            | 112                             | 14                         | --            | .1           | --                         | --                           | 119              | --               | 102                           | 10            | 218                                       | 7.4 | --    | 75               |  |
| 95213901                    | 08-20-60           | 22                         | .29       | 56           | 12             | 13          | 1.3           | 250                             | .4                         | 7.0           | .5           | .3                         | .1                           | 236              | 245              | 189                           | 0             | 389                                       | 7.7 | 20    | --               |  |
| 95413803                    | 08-25-60           | 12                         | .05       | 25           | 11             | 4.4         | --            | 185                             | 12                         | 6.0           | .2           | --                         | --                           | 162              | --               | 108                           | 0             | 227                                       | 7.4 | --    | 73               |  |
| 95514601                    | 08-24-60           | 52                         | .06       | 59           | 16             | 14          | --            | 284                             | --                         | 9.0           | 2.2          | --                         | --                           | 289              | --               | 212                           | 0             | 429                                       | 7.6 | --    | 77               |  |
| 95613901                    | 08-20-60           | 12                         | .04       | 21           | 12             | --          | --            | 115                             | 8.0                        | --            | .5           | --                         | --                           | 119              | --               | 102                           | 8             | 211                                       | 7.4 | --    | 75               |  |
| 95615901                    | 08-25-60           | 11                         | .08       | 23           | 5.7            | --          | --            | 100                             | --                         | --            | .3           | --                         | --                           | 95               | --               | 81                            | 0             | 173                                       | 7.3 | --    | 75               |  |
| 95713801                    | 08-20-60           | 12                         | .07       | 22           | 11             | --          | --            | 116                             | 8.4                        | --            | .3           | --                         | --                           | 120              | --               | 100                           | 5             | 213                                       | 7.4 | --    | 75               |  |
| 95714101                    | 07-30-60           | 12                         | 0.02      | 22           | 10             | --          | --            | 110                             | 6.4                        | --            | 0.3          | --                         | --                           | 114              | --               | 96                            | 6             | 204                                       | 7.3 | --    | 77               |  |
| 95813701                    | 08-25-60           | 12                         | .21       | 26           | 13             | --          | --            | 114                             | 30                         | --            | .3           | --                         | --                           | 158              | --               | 118                           | 25            | 258                                       | 7.4 | --    | 74               |  |
| 95813801                    | 08-25-60           | 9.4                        | .08       | 22           | 10             | 32          | --            | 105                             | 64                         | 6.0           | .4           | 0.1                        | --                           | 195              | --               | 96                            | 9             | 329                                       | 7.4 | --    | 82               |  |
| 95813802                    | 08-25-60           | 12                         | .06       | 24           | 14             | --          | --            | 109                             | 29                         | --            | .4           | --                         | --                           | 151              | --               | 118                           | 28            | 249                                       | 7.4 | --    | 76               |  |
| 95813901                    | 08-25-60           | 12                         | .03       | 30           | 16             | 4.8         | 1.1           | 104                             | 52                         | 6.0           | .3           | .1                         | --                           | 173              | 188              | 141                           | 56            | 294                                       | 8.0 | 2     | 77               |  |
| 95813902                    | 08-25-60           | 13                         | .04       | 46           | 22             | 6.2         | 1.4           | 102                             | 114                        | 8.0           | .2           | .2                         | --                           | 261              | 304              | 206                           | 22            | 423                                       | 8.0 | 1     | 82               |  |
| 95814401                    | 08-20-60           | 8.0                        | .04       | 18           | 9.0            | --          | --            | 101                             | --                         | --            | .3           | --                         | --                           | 93               | --               | 82                            | 0             | 177                                       | 7.3 | --    | 75               |  |
| 95814803                    | 08-20-60           | 8.0                        | .04       | 24           | 6.1            | 3.8         | .1            | 104                             | 1.6                        | 5.0           | .1           | .1                         | --                           | 100              | 106              | 85                            | 0             | 183                                       | 7.6 | --    | 77               |  |
| 95815101                    | 08-20-60           | 2.2                        | .04       | 20           | 6.6            | 6.0         | 1.5           | 103                             | .4                         | 5.0           | .1           | .3                         | --                           | 93               | 95               | 77                            | 0             | 178                                       | 7.4 | 8     | 80               |  |
| 95815501                    | 08-20-60           | 21                         | .83       | 68           | 21             | --          | --            | 308                             | --                         | --            | .2           | --                         | --                           | 278              | --               | 256                           | 4             | 478                                       | 7.5 | --    | 78               |  |
| 95815802                    | 08-25-60           | 11                         | .14       | 23           | 6.2            | --          | --            | 102                             | --                         | --            | .2           | --                         | --                           | 99               | --               | 83                            | 0             | 173                                       | 7.3 | --    | 80               |  |
| 95815902                    | 08-25-60           | 13                         | .03       | 32           | 9.0            | 5.2         | .2            | 147                             | .4                         | 3.5           | .2           | .4                         | --                           | 136              | 143              | 117                           | 0             | 240                                       | 7.8 | 7     | 75               |  |
| 00514301                    | 08-25-60           | 11                         | .05       | 18           | 9.0            | --          | --            | 98                              | --                         | --            | .5           | --                         | --                           | 102              | --               | 82                            | 2             | 183                                       | 7.6 | --    | 80               |  |
| 00514501                    | 08-30-60           | 11                         | .04       | 18           | 9.5            | --          | --            | 97                              | 10                         | --            | .8           | --                         | --                           | 104              | --               | 84                            | 4             | 183                                       | 7.6 | --    | 74               |  |
| 00514502                    | 08-30-60           | 11                         | .09       | 19           | 8.9            | --          | --            | 95                              | --                         | --            | .5           | --                         | --                           | 105              | --               | 84                            | 6             | 183                                       | 7.7 | --    | 74               |  |
| 00515001                    | 07-29-60           | 11                         | .01       | 19           | 9.8            | --          | --            | 97                              | 10                         | --            | .4           | --                         | --                           | 110              | --               | 88                            | 8             | 189                                       | 7.6 | --    | 74               |  |
| 00515101                    | 07-29-60           | 11                         | .02       | 21           | 7.2            | --          | --            | 97                              | --                         | --            | .6           | --                         | --                           | 107              | --               | 82                            | 2             | 182                                       | 7.6 | --    | 75               |  |
| 00515201                    | 07-29-60           | 10                         | .02       | 20           | 8.3            | --          | --            | 97                              | --                         | --            | .2           | --                         | --                           | 107              | --               | 84                            | 4             | 183                                       | 7.6 | --    | 74               |  |
| 00514401                    | 07-30-60           | 11                         | .02       | 18           | 10             | --          | --            | 96                              | 9.2                        | --            | .4           | --                         | --                           | 105              | --               | 86                            | 8             | 188                                       | 7.9 | --    | 74               |  |

|          |          |    |      |    |     |     |    |     |     |     |     |    |    |     |    |     |    |     |     |    |    |
|----------|----------|----|------|----|-----|-----|----|-----|-----|-----|-----|----|----|-----|----|-----|----|-----|-----|----|----|
| 00614601 | 07-30-60 | 12 | 0.05 | 21 | 7.7 | --  | -- | 97  | 9.2 | 5.0 | 0.3 | -- | -- | 111 | -- | 84  | 4  | 187 | 7.5 | -- | 75 |
| 00614602 | 07-18-60 | 11 | .11  | 20 | 8.3 | --  | -- | 97  | 8.8 | 5.5 | .3  | -- | -- | 108 | -- | 84  | 4  | 185 | 7.7 | -- | 81 |
| 00614701 | 08-09-60 | -- | --   | -- | --  | --  | -- | 98  | 4.8 | --  | --  | -- | -- | --  | -- | --  | -- | 185 | 7.7 | -- | -- |
| 00614701 | 07-30-60 | 11 | .02  | 20 | 8.8 | --  | -- | 96  | 9.6 | --  | .4  | -- | -- | 110 | -- | 86  | 8  | 188 | 7.6 | -- | 76 |
| 00614901 | 08-09-60 | 11 | .02  | 18 | 9.5 | --  | -- | 95  | 8.0 | --  | .3  | -- | -- | 104 | -- | 84  | 6  | 180 | 7.8 | -- | 73 |
| 00614901 | 07-30-60 | -- | --   | -- | --  | --  | -- | --  | --  | --  | --  | -- | -- | --  | -- | --  | -- | 185 | 7.6 | -- | -- |
| 00614902 | 08-09-60 | -- | --   | -- | --  | --  | -- | --  | --  | --  | --  | -- | -- | --  | -- | --  | -- | 182 | 7.6 | -- | -- |
| 00614902 | 07-18-60 | 11 | .08  | 18 | 9.0 | --  | -- | 96  | --  | --  | .3  | -- | -- | 105 | -- | 82  | 4  | 185 | 7.5 | -- | 73 |
| 00615002 | 08-09-60 | 11 | --   | 18 | 10  | --  | -- | 96  | 7.6 | --  | .2  | -- | -- | 104 | -- | 86  | 8  | 183 | 7.6 | -- | -- |
| 00615002 | 07-29-60 | -- | .04  | -- | --  | --  | -- | 96  | --  | --  | .2  | -- | -- | --  | -- | --  | -- | 185 | 7.6 | -- | -- |
| 00714201 | 07-18-60 | 13 | .07  | 20 | 11  | --  | -- | 97  | 18  | --  | .4  | -- | -- | 125 | -- | 95  | 16 | 208 | 7.4 | -- | -- |
| 00714301 | 07-18-60 | 12 | .10  | 19 | 11  | --  | -- | 103 | 13  | --  | .4  | -- | -- | 118 | -- | 92  | 8  | 203 | 7.9 | -- | -- |
| 00814501 | 07-18-60 | 13 | --   | 23 | 12  | --  | -- | 109 | 24  | --  | .5  | -- | -- | 138 | -- | 107 | 18 | 233 | 7.9 | -- | -- |
| 00815501 | 07-18-60 | 19 | .17  | 25 | 10  | --  | -- | 148 | 11  | --  | 1.4 | -- | -- | 166 | -- | 104 | 0  | 274 | 7.9 | -- | 74 |
| 00914201 | 08-09-60 | 15 | .13  | 34 | 17  | --  | -- | 122 | 102 | --  | .6  | -- | -- | 253 | -- | 155 | 55 | 347 | 7.9 | -- | -- |
| 00914201 | 07-16-60 | -- | .13  | -- | --  | --  | -- | 122 | --  | --  | --  | -- | -- | --  | -- | --  | -- | 327 | 7.9 | -- | 79 |
| 00914202 | 07-16-60 | 14 | .08  | 28 | 16  | --  | -- | 112 | 43  | --  | .6  | -- | -- | 178 | -- | 136 | 44 | 286 | 7.9 | -- | -- |
| 00914301 | 07-16-60 | 14 | .12  | 27 | 14  | --  | -- | 116 | 34  | --  | .6  | -- | -- | 174 | -- | 125 | 30 | 265 | 7.9 | -- | -- |
| 01014101 | 07-16-60 | 15 | .04  | 48 | 20  | --  | -- | 114 | 107 | --  | .6  | -- | -- | 279 | -- | 202 | 08 | 417 | 7.9 | -- | -- |
| 01014201 | 07-16-60 | 15 | 0.19 | 34 | 17  | --  | -- | 134 | --  | --  | 0.6 | -- | -- | 213 | -- | 155 | 45 | 337 | 7.8 | -- | 80 |
| 01014202 | 07-16-60 | 16 | .04  | 31 | 17  | --  | -- | 124 | --  | --  | .7  | -- | -- | 205 | -- | 148 | 46 | 320 | 8.0 | -- | 79 |
| 01014204 | 07-16-60 | 16 | .05  | 46 | 18  | --  | -- | 114 | 94  | 8.0 | .6  | -- | -- | 246 | -- | 189 | 96 | 402 | 8.0 | -- | 84 |
| 01014205 | 07-16-60 | 15 | .11  | 35 | 22  | 7.8 | -- | 130 | 61  | 8.0 | .5  | -- | -- | 213 | -- | 178 | 72 | 350 | 8.0 | -- | -- |
| 01014501 | 07-16-60 | 19 | .07  | 26 | 13  | 6.4 | -- | --  | --  | --  | --  | -- | -- | 157 | -- | --  | -- | --  | --  | -- | -- |

UNION COUNTY

Water-table aquifer

|          |          |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |    |    |
|----------|----------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|----|
| 95822201 | 08-31-60 | 6.1 | 0.34 | 1.6 | 0.5 | 1.5 | 0.2 | 4   | 0.8 | 3.0 | 0.1 | 0.8 | 0.1 | 17  | 23  | 6   | 2  | 28  | 5.8 | -- | -- |
| 95822601 | 08-31-60 | 8.6 | .46  | 2.6 | .6  | --  | --  | 10  | --  | --  | .4  | --  | --  | 30  | --  | 9   | 1  | 38  | 6.0 | -- | 78 |
| 95822701 | 08-31-60 | 7.8 | .32  | 6.8 | 2.2 | 7.5 | 11  | 3   | 23  | 7.0 | .2  | 16  | .0  | 83  | 91  | 26  | 24 | 129 | 5.5 | -- | -- |
| 95722501 | 08-31-60 | 8.4 | .24  | 6.0 | 1.7 | 4.4 | --  | 35  | --  | 5.5 | .2  | .0  | --  | 43  | --  | 22  | 0  | 80  | 6.5 | -- | 78 |
| 95722801 | 08-31-60 | 7.3 | .66  | 6.0 | 1.7 | 15  | 5.2 | 18  | 11  | 21  | .3  | 7.5 | .0  | 84  | 90  | 22  | 7  | 146 | 6.5 | -- | -- |
| 95822201 | 09-01-60 | 7.5 | .42  | 11  | 2.6 | 46  | 4.8 | 55  | 12  | 53  | .4  | 1.3 | 1.0 | 146 | 198 | 38  | 0  | 301 | 7.2 | 40 | -- |
| 95822202 | 09-01-60 | 23  | 1.3  | 22  | 11  | --  | --  | 130 | --  | --  | .2  | --  | --  | 152 | --  | 100 | 0  | 230 | 7.4 | -- | -- |
| 95822701 | 09-01-60 | 7.8 | .08  | 6.0 | .4  | --  | --  | 14  | --  | --  | .6  | --  | --  | 40  | --  | 16  | 5  | 60  | 6.4 | -- | 77 |
| 95822902 | 09-01-60 | 5.2 | .25  | 2.8 | 1.9 | --  | --  | 15  | --  | --  | .1  | --  | --  | 45  | --  | 15  | 2  | 73  | 6.5 | -- | 78 |

Table 6.--Continued

| Well number                    | Date of collection | Chemical analyses in parts per million except specific conductance, pH, and color--Continued |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  | Specific conductance (micro-mhos at 25°C) | pH | Color | Temperature (°F) |                               |               |
|--------------------------------|--------------------|--|-----------|--------------|----------------|-------------|---------------|---------------------------------|----------------------------|---------------|--------------|----------------------------|------------------------------|------------------|------------------|---|----|-------|------------------|-------------------------------|---------------|
|                                |                    | Silica (SiO <sub>2</sub> )   | Iron (Fe) | Calcium (Ca) | Magnesium (Mg) | Sodium (Na) | Potassium (K) | Bicarbonate (HCO <sub>3</sub> ) | Sulfate (SO <sub>4</sub> ) | Chloride (Cl) | Fluoride (F) | Nitrate (NO <sub>3</sub> ) | Phosphate (PO <sub>4</sub> ) | Dissolved solids |                  |   |    |       |                  | Hardness as CaCO <sub>3</sub> |               |
|                                |                    |  |           |              |                |             |               |                                 |                            |               |              |                            |                              | Calcium-lated    | Residue at 180°C |   |    |       |                  | Calcium, magnesium            | Non-carbonate |
| UNION COUNTY--Continued        |                    |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| Water-table aquifer--Continued |                    |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| 95922401                       | 09-01-60           | 20   | 0.07      | 22           | 11             | --          | --            | 110                             | 0.4                        | 7.5           | 0.2          | --                         | --                           | 121              | --               | 100                                       | 10 | 206   | 6.9              | --                            | 76            |
| 95923101                       | 09-01-60           | 5.9  | .11       | 3.2          | 3.6            | --          | --            | 8                               | --                         | --            | .1           | --                         | --                           | 41               | --               | 10  | 4  | 66    | 6.0              | --                            | 76            |
| 00221401                       | 09-17-60           | 6.9  | .08       | 13           | 3.8            | 9.0         | 4.1           | 23                              | 7.2                        | 18            | .3           | 27                         | --                           | 100              | --               | 48  | 29 | 173   | 6.7              | --                            | 80            |
| 00221801                       | 09-17-60           | 1.6  | .03       | 22           | 14             | --          | --            | 131                             | 8.8                        | 7.0           | .6           | --                         | --                           | 132              | --               | 112                                       | 5  | 247   | 7.7              | 10                            | 77            |
| 00221901                       | 09-17-60           | 5.8  | .02       | 30           | 14             | --          | --            | 140                             | 2.0                        | 12            | .4           | 16                         | --                           | 159              | --               | 132                                       | 18 | 294   | 7.5              | --                            | 77            |
| 00321401                       | 09-17-60           | 13   | .03       | 41           | 19             | --          | --            | 218                             | --                         | --            | .3           | --                         | --                           | 204              | --               | 180                                       | 2  | 368   | 6.1              | --                            | 76            |
| 00322901                       | 09-15-60           | 6.7  | .13       | 4.0          | 3.4            | 40          | 3.0           | 4                               | .4                         | 44            | .1           | 62                         | 0.0                          | 166              | 172              | 24  | 20 | 274   | 5.8              | --                            | --            |
| 00323101                       | 09-15-60           | 6.5  | .06       | 2.4          | 2.4            | 18          | 2.6           | 11                              | 8.0                        | 18            | .1           | 15                         | .1                           | 78               | 85               | 16  | 7  | 133   | 6.3              | --                            | --            |
| 00422802                       | 09-15-60           | 6.1  | .26       | 14           | 6.6            | 52          | 22            | 2                               | 17                         | 64            | .5           | 12                         | .0                           | 302              | 322              | 62  | 60 | 483   | 4.9              | --                            | --            |
| 00422901                       | 09-15-60           | 6.7  | .92       | 1.2          | .4             | --          | --            | 10                              | --                         | --            | .1           | --                         | --                           | 23               | --               | 4   | 0  | 30    | 6.3              | --                            | 77            |
| 00423001                       | 09-15-60           | 6.5  | .05       | 6.6          | 4.1            | 10          | .9            | 1                               | 6.4                        | 16            | .2           | 33                         | .0                           | 84               | 84               | 34  | 33 | 136   | 4.8              | --                            | --            |
| 00522201                       | 09-16-60           | 11   | .57       | 38           | 21             | --          | --            | 216                             | --                         | --            | .4           | --                         | --                           | 190              | --               | 182                                       | 4  | 341   | 5.1              | --                            | 70            |
| 00622801                       | 09-15-60           | 9.6  | .03       | 19           | 8.4            | --          | --            | 92                              | 1.6                        | --            | .3           | --                         | --                           | 107              | --               | 66  | 10 | 181   | 7.3              | --                            | 71            |
| 00620901                       | 09-22-60           | 21   | .14       | 50           | 23             | --          | --            | 274                             | --                         | --            | .2           | --                         | --                           | 261              | --               | 220                                       | 0  | 450   | 5.1              | --                            | 70            |
| 00821001                       | 09-22-60           | 14   | .07       | 41           | 20             | --          | --            | 200                             | 2.8                        | 16            | .3           | 4.3                        | --                           | 211              | --               | 184                                       | 10 | 378   | 7.6              | --                            | --            |
| Secondary artesian aquifer     |                    |  |           |              |                |             |               |                                 |                            |               |              |                            |                              |                  |                  |   |    |       |                  |                               |               |
| 95522503                       | 08-31-60           | 18   | 0.04      | 38           | 5.1            | --          | --            | 124                             | 9.6                        | --            | 0.5          | --                         | --                           | 162              | --               | 116                                       | 14 | 249   | 7.3              | --                            | 77            |
| 95722101                       | 08-31-60           | 11   | .09       | 12           | 3.2            | --          | --            | 48                              | .8                         | --            | .6           | --                         | --                           | 60               | --               | 43  | 4  | 98    | 6.8              | --                            | 79            |
| 95722102                       | 08-31-60           | 2.3  | .20       | 16           | 6.1            | --          | --            | 81                              | 2.0                        | 5.0           | .3           | --                         | --                           | 77               | --               | 65  | 0  | 153   | 6.7              | --                            | 76            |
| 95722301                       | 08-31-60           | 20   | .09       | 38           | 14             | --          | --            | 186                             | --                         | --            | .4           | --                         | --                           | 173              | --               | 152                                       | 0  | 314   | 7.7              | --                            | 76            |
| 95722401                       | 08-31-60           | 19   | --        | 35           | 16             | --          | --            | 184                             | --                         | --            | .3           | --                         | --                           | 180              | --               | 154                                       | 2  | 302   | 7.7              | --                            | 79            |
| 95821801                       | 09-01-60           | 14   | .08       | 26           | 9.0            | --          | --            | 123                             | --                         | --            | .2           | --                         | --                           | 126              | --               | 102                                       | 1  | 14    | 7.4              | --                            | 77            |
| 95822401                       | 09-01-60           | 19   | .08       | 34           | 16             | --          | --            | 184                             | --                         | --            | .3           | --                         | --                           | 180              | --               | 151                                       | 0  | 301   | 7.8              | --                            | 78            |
| 95822901                       | 09-01-60           | 26   | .08       | 40           | 14             | --          | --            | 182                             | 8.0                        | --            | .3           | --                         | --                           | 200              | --               | 158                                       | 8  | 315   | 7.4              | --                            | 75            |
| 95921604                       | 09-01-60           | 14   | .07       | 29           | 14             | --          | --            | 158                             | --                         | --            | .3           | --                         | --                           | 152              | --               | 130                                       | 0  | 263   | 7.8              | --                            | 75            |
| 95921703                       | 09-17-60           | 18   | .02       | 17           | 10             | --          | --            | 93                              | 1.6                        | --            | .5           | --                         | --                           | 114              | --               | 84  | 8  | 177   | 7.0              | --                            | 79            |
| 95922001                       | 09-01-60           | 9.0  | .09       | 31           | 13             | 18          | 1.1           | 130                             | .8                         | 28            | .2           | 33                         | --                           | 198              | --               | 131                                       | 24 | 351   | 7.2              | --                            | 73            |
| 00220002                       | 09-01-60           | 8.9  | .03       | 26           | 13             | --          | --            | 137                             | 1.6                        | --            | .3           | --                         | --                           | 140              | --               | 118                                       | 6  | 239   | 7.5              | --                            | 70            |
| 00226001                       | 09-16-60           | 37   | .00       | 22           | 17             | --          | --            | 136                             | 1.2                        | 9.0           | .7           | --                         | --                           | 163              | --               | 125                                       | 14 | 260   | 7.8              | --                            | 74            |
| 00226002                       | 09-16-60           | 24   | .02       | 37           | 15             | --          | --            | 188                             | --                         | --            | .5           | --                         | --                           | 98               | --               | 154                                       | 0  | 330   | 8.0              | --                            | 74            |
| 0022701                        | 09-16-60           | 20   | .03       | 37           | 17             | --          | --            | 188                             | 12                         | --            | .4           | --                         | --                           | 199              | --               | 162                                       | 8  | 327   | 7.9              | --                            | 73            |
| 00122001                       | 09-16-60           | 15   | .02       | 34           | 14             | --          | --            | 170                             | 5.2                        | 9.5           | .4           | .1                         | --                           | 170              | --               | 142                                       | 3  | 302   | 7.8              | --                            | 78            |
| 00122002                       | 09-16-60           | 8.5  | .01       | 30           | 8.5            | --          | --            | 126                             | 3.2                        | --            | .2           | --                         | --                           | 131              | --               | 110                                       | 6  | 227   | 7.5              | --                            | 86            |
| 00122701                       | 09-16-60           | 34   | .05       | 45           | 18             | --          | --            | 218                             | 11                         | --            | .5           | --                         | --                           | 234              | --               | 166                                       | 8  | 367   | 8.2              | --                            | 74            |
| 00123102                       | 09-15-60           | 15   | .09       | 30           | 10             | --          | --            | 134                             | 1.2                        | --            | .4           | --                         | --                           | 143              | --               | 116                                       | 6  | 234   | 7.7              | --                            | 77            |

|          |          |     |      |    |     |    |     |     |     |     |     |    |     |     |    |     |     |    |
|----------|----------|-----|------|----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|----|
| 00221301 | 09-17-60 | 11  | 0.02 | 38 | 16  | -- | --  | 186 | 8.0 | --  | 0.2 | -- | 197 | 161 | 8  | 339 | 7.8 | 80 |
| 00221604 | 09-17-60 | 17  | .02  | 34 | 17  | -- | --  | 168 | 5.6 | 20  | .4  | -- | 185 | 155 | 18 | 337 | 7.6 | 77 |
| 00221802 | 09-17-60 | 18  | .04  | 37 | 1.8 | -- | --  | 118 | .8  | 8.5 | .2  | -- | 137 | 100 | 4  | 215 | 7.3 | 78 |
| 00221803 | 09-17-60 | 16  | .16  | 41 | 22  | -- | --  | 240 | --  | --  | .4  | -- | 218 | 193 | 0  | 381 | 7.7 | 78 |
| 00223001 | 09-15-60 | 38  | .02  | 30 | 14  | -- | --  | 160 | --  | 4.5 | .6  | -- | 184 | 132 | 2  | 269 | 7.7 | 84 |
| 00321301 | 09-17-60 | 8.4 | .05  | 21 | 9.4 | 56 | 1.8 | 88  | .8  | 84  | .5  | 37 | 262 | 91  | 19 | 503 | 7.6 | 80 |
| 00321402 | 09-17-60 | 14  | .01  | 38 | 19  | -- | --  | 218 | --  | --  | .3  | -- | 202 | 173 | 0  | 355 | 8.1 | 78 |
| 00321501 | 09-17-60 | 11  | .02  | 42 | 23  | -- | --  | 236 | --  | --  | .3  | -- | 211 | 200 | 6  | 380 | 8.2 | 77 |
| 00421301 | 09-22-60 | 20  | .07  | 55 | 27  | -- | --  | 306 | --  | --  | .2  | -- | 266 | 248 | 0  | 473 | 8.1 | 77 |
| 00421401 | 09-17-60 | 14  | .05  | 49 | 27  | -- | --  | 266 | 2.8 | --  | .3  | -- | 247 | 234 | 9  | 445 | 8.3 | 78 |
| 00422601 | 09-16-60 | 15  | .02  | 42 | 21  | -- | --  | 232 | --  | --  | .3  | -- | 214 | 192 | 2  | 375 | 8.1 | 74 |
| 00621201 | 09-22-60 | 13  | .05  | 36 | 18  | -- | --  | 198 | --  | --  | .3  | -- | 190 | 164 | 2  | 331 | 7.8 | 76 |
| 00621501 | 09-17-60 | 24  | .07  | 34 | 17  | -- | --  | 195 | --  | --  | .4  | -- | 193 | 155 | 0  | 319 | 7.9 | 77 |
| 00720901 | 09-22-60 | 24  | .44  | 48 | 16  | -- | --  | 224 | --  | --  | .3  | -- | 233 | 186 | 2  | 382 | 8.0 | 80 |
| 00721001 | 09-22-60 | 23  | .05  | 47 | 25  | 12 | --  | 274 | --  | 15  | .3  | -- | 274 | 220 | 0  | 452 | 8.0 | -- |
| 00721101 | 09-22-60 | 13  | .18  | 34 | 18  | -- | --  | 194 | --  | --  | .3  | -- | 185 | 159 | 0  | 320 | 7.9 | 80 |
| 00721201 | 09-22-60 | 14  | .19  | 42 | 19  | -- | --  | 232 | --  | --  | .3  | -- | 207 | 183 | 0  | 365 | 8.2 | 77 |

Floridan aquifer

|          |          |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|----------|----------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 95522501 | 08-31-60 | 17  | 0.17 | 34  | 11  | 5.8 | 0.8 | 154 | 6.0 | 8.5 | 0.4 | --  | 139 | --  | 116 | 8   | 226 | 7.2 | --  | 77 |    |
| 95622301 | 08-31-60 | 19  | .08  | 25  | 13  | --  | --  | 131 | 4.8 | --  | .3  | 0.0 | 0.0 | 160 | 173 | 4   | 265 | 7.4 | 45  | -- |    |
| 95622501 | 08-31-60 | 21  | .09  | 26  | 13  | --  | --  | 142 | --  | --  | .4  | --  | --  | 151 | --  | 2   | 243 | 7.2 | --  | 76 |    |
| 95622801 | 08-31-60 | 11  | .09  | 40  | 4.4 | --  | --  | 123 | 4.8 | 8.0 | .3  | 21  | --  | 167 | --  | 118 | 17  | 253 | 6.9 | 10 | 78 |
| 95722601 | 08-31-60 | 31  | .07  | 38  | 17  | --  | --  | 200 | --  | --  | .3  | --  | --  | 205 | --  | 165 | 1   | 326 | 7.8 | -- | 74 |
| 95823101 | 09-01-60 | 19  | .09  | 26  | 8.5 | --  | --  | 109 | .8  | 7.5 | .3  | --  | 124 | --  | 100 | 10  | 211 | 7.3 | --  | 76 |    |
| 95823301 | 09-01-60 | 12  | .17  | 34  | 5.7 | --  | --  | 180 | --  | --  | .2  | --  | 191 | --  | 158 | 2   | 318 | 7.7 | --  | 73 |    |
| 95922901 | 08-01-60 | 23  | .08  | 43  | 14  | --  | --  | 194 | 16  | --  | .5  | --  | 218 | --  | 165 | 6   | 348 | 7.7 | --  | 73 |    |
| 95923301 | 09-01-60 | 19  | .06  | 42  | 10  | --  | --  | 170 | 10  | --  | .4  | --  | 170 | --  | 146 | 6   | 300 | 7.4 | --  | 76 |    |
| 95923302 | 09-01-60 | 16  | --   | 46  | 9.0 | --  | --  | 176 | --  | --  | .3  | --  | 186 | --  | 152 | 8   | 309 | 7.5 | --  | 77 |    |
| 00022001 | 09-16-60 | 15  | .02  | 38  | 13  | --  | --  | 180 | --  | --  | .4  | --  | 183 | --  | 148 | 1   | 308 | 8.0 | --  | 78 |    |
| 00023001 | 09-16-60 | 39  | .01  | 22  | 10  | --  | --  | 108 | 2.8 | 9.0 | .7  | --  | 146 | --  | 96  | 8   | 211 | 7.3 | --  | 75 |    |
| 00023203 | 09-15-60 | 30  | .03  | 44  | 18  | --  | --  | 190 | 18  | 10  | .5  | --  | 221 | --  | 184 | 28  | 359 | 7.9 | --  | 80 |    |
| 00023301 | 09-15-60 | 14  | .01  | 45  | 7.7 | --  | --  | 166 | --  | --  | .3  | --  | 178 | --  | 144 | 8   | 295 | 8.0 | --  | 77 |    |
| 00121901 | 09-22-60 | 21  | .01  | 43  | 15  | --  | --  | 186 | --  | --  | .4  | --  | 212 | --  | 169 | 16  | 357 | 8.0 | --  | 77 |    |
| 00122401 | 09-16-60 | 2.8 | .02  | 6.0 | 13  | --  | --  | 81  | .4  | --  | .3  | --  | 83  | --  | 68  | 2   | 159 | 7.1 | --  | 73 |    |
| 00123101 | 09-15-60 | 11  | .28  | 34  | 8.0 | 4.3 | .4  | 136 | 4.4 | 6.0 | .4  | .3  | .7  | 137 | 149 | 118 | 6   | 243 | 7.4 | 20 | -- |
| 00421101 | 09-22-60 | 20  | .02  | 37  | 12  | --  | --  | 160 | 24  | --  | .4  | --  | 182 | --  | 142 | 11  | 289 | 8.0 | --  | 74 |    |
| 00421103 | 09-22-60 | 21  | .07  | 38  | 12  | --  | --  | 160 | 23  | --  | .5  | --  | 186 | --  | 144 | 14  | 290 | 7.9 | --  | 78 |    |
| 00422701 | 09-16-60 | 25  | .49  | 39  | 19  | --  | --  | 212 | --  | --  | .3  | --  | 203 | --  | 176 | 2   | 358 | 8.2 | --  | 84 |    |
| 00422801 | 09-15-60 | .3  | .09  | 3.6 | .1  | --  | --  | 29  | 1.2 | 4.0 | .1  | --  | 33  | 38  | 10  | 71  | 7.0 | --  | --  | 74 |    |

PUTNAM COUNTY

Secondary artesian aquifer

|          |          |    |      |    |     |  |  |    |  |  |     |  |  |  |    |   |     |     |  |    |
|----------|----------|----|------|----|-----|--|--|----|--|--|-----|--|--|--|----|---|-----|-----|--|----|
| 93920201 | 07-15-60 | 11 | 0.02 | 11 | 6.0 |  |  | 58 |  |  | 0.4 |  |  |  | 52 | 4 | 111 | 7.5 |  | 80 |
|----------|----------|----|------|----|-----|--|--|----|--|--|-----|--|--|--|----|---|-----|-----|--|----|

Floridan aquifer

|          |          |    |      |    |    |  |  |     |  |  |     |  |  |  |     |   |     |     |  |    |
|----------|----------|----|------|----|----|--|--|-----|--|--|-----|--|--|--|-----|---|-----|-----|--|----|
| 94220201 | 07-15-60 | 13 | 0.06 | 24 | 12 |  |  | 152 |  |  | 0.5 |  |  |  | 110 | 0 | 267 | 7.8 |  | 81 |
|----------|----------|----|------|----|----|--|--|-----|--|--|-----|--|--|--|-----|---|-----|-----|--|----|

Table 7. Duration and Type of Surface-Water Data

| Site no. (Fig.3) | Name and location                              | Drainage area (sq. mi.) | Type and period of record                                       |
|------------------|--|-------------------------|---|
| 2                | Ates Creek near Penney Farms, Fla.             | 40.8                    | Periodic discharge, crest stages, 1957-60                       |
| 3                | Blue Pond near Keystone Heights, Fla.          | * .31                   | Depth, stage, 1958-60   |
| 4                | Brooklyn Lake at Keystone Heights, Fla.        | * 1.00                  | Depth, stage, and occasional measurements of outflow, 1957-60   |
| 5                | Bull Creek near Middleburg, Fla.               | 20.4                    | Occasional discharge, crest stages, 1957-60                     |
| 6                | Butler Creek near Lake Butler, Fla.            | 8                       | Occasional discharge, crest stages, 1957-60                     |
| 7                | Camps Canal near Rochelle, Fla.                | 115                     | Periodic discharge, 1948-52; daily stage and discharge, 1957-60 |
| 8                | Clarks Creek near Green Cove Springs, Fla.     | 8.8                     | Occasional discharge, crest stages, 1957-60                     |
| 10               | Deep Creek near Rodman, Fla.                   | 54.3                    | Occasional discharge, crest stage, 1956-60                      |
| 11               | Etonia Creek near Florahome, Fla.              | 172                     | Daily stage and discharge, 1950-51                              |
| 12               | Glen Springs near Gainesville, Fla.            | -                       | Occasional discharge, 1942-60                                   |
| 13               | Green Cove Springs at Green Cove Springs, Fla. | -                       | Occasional discharge, 1929-60                                   |
| 14               | Greens Creek near Penney Farms, Fla.           | 14.9                    | Periodic discharge, peak stages, 1957-60                        |
| 17               | Hatchet Creek near Gainesville, Fla.           | 57                      | Occasional discharge, peak stage 1948-60                        |
| 19               | Heilbrom Springs 6 mi. N.W. of Starke, Fla.    | -                       | Occasional discharge, 1946-60                                   |
| 20               | Hogtown Creek near Gainesville, Fla.           | 15.6                    | Occasional discharge, peak stage, 1958-60                       |
| 21               | Kingsley Lake at Camp Blanding, Fla.           | * 2.54                  | Depth, stage, 1945, 1947-60                                     |



Table 7. (Continued)

| Site no.<br>(Fig.3) | Name and location                             | Drainage area<br>(sq. mi.) | Type and period of record   |
|---------------------|---|----------------------------|---|
| 22                  | Lake Butler at Lake Butler, Fla.              | * .4                       | Stage, 1957-60  |
| 23                  | Lake Geneva at Keystone Heights, Fla.         | * 2.73                     | Depth, stage, 1957-60   |
| 24                  | Lake Grandin near Interlachen, Fla.           | * .55                      | Stage, 1957-60  |
| 25                  | Lake Johnson near Keystone Heights, Fla.      | * .74                      | Stage, 1945-60  |
| 26                  | Lake Sampson near Starke, Fla.                | * 3.24                     | Stage and occasional measurements of outflow, 1957-60                 |
| 27                  | Little Orange Creek near Orange Springs, Fla. | 78.9                       | Periodic discharge, 1947-52; occasional discharge, 1956               |
| 29                  | Loch Lomond near Keystone Heights, Fla.       | -                          | Depths, stage, 1959-60  |
| 30                  | Lochloosa Creek at Grove Park, Fla.           | 34.7                       | Occasional discharge, 1947, 1956; periodic discharge, 1957-60         |
| 31                  | Lochloosa Creek near Hawthorne, Fla.          | 43.3                       | Periodic discharge, 1947-52   |
| 32                  | Lochloosa Lake at Lochloosa, Fla.             | * 10.3                     | Stage, 1942-52, 1956-60; daily stage and discharge at outlet, 1946-55 |
| 33                  | Magnesia Springs near Hawthorne, Fla.         | -                          | Occasional discharge, 1941-60   |
| 34                  | Magnolia Lake near Keystone Heights, Fla.     | * .31                      | Depth, stage, and occasional measurement of outflow, 1958-60          |
| 35                  | Newmans Lake near Gainesville, Fla.           | * 8.2                      | Stage and occasional measurement of outflow, 1945-52, 1957-60         |
| 36                  | New River near Lake Butler, Fla.              | 212                        | Daily stage and discharge, 1950-60                                    |

Table 7. (Continued)

| Site no. (Fig.3) | Name and location                               | Drainage area (sq. mi.) | Type and period of record                   |
|------------------|---|-------------------------|---|
| 37               | New River near Raiford, Fla.                    | 93.3                    | Occasional discharge, 1957-60               |
| 38               | North Fork Black Creek near Highland, Fla.      | 48.9                    | Daily stage and discharge, 1957-60          |
| 39               | North Fork Black Creek near Middleburg, Fla.    | 174                     | Daily stage and discharge, 1931-60          |
| 40               | Oluatee Creek at Providence, Fla.               | 150                     | Daily stage and discharge, 1957-60          |
| 42               | Orange Creek at Orange Springs, Fla.            | 431                     | Daily stage and discharge, 1942-52, 1955-60 |
| 43               | Orange Lake at Orange Lake, Fla.                | * 25.7                  | Stage, 1932-60; daily outflow, 1946-55      |
| 44               | Ortega Creek near Jacksonville, Fla.            | 27.8                    | Occasional discharge, 1956-60               |
| 45               | Pebble Lake near Keystone Heights, Fla.         | * .01                   | Stage, 1945-50, 1952-53, 1954-60            |
| 47               | Poe Springs near High Springs, Fla.             | -                       | Occasional discharge, 1929-60               |
| 50               | Sand Hill Lake near Keystone Heights, Fla.      | * 1.95                  | Depth, stage, 1957-60                       |
| 51               | Santa Fe Lake near Keystone Heights, Fla.       | * 8.05                  | Stage, 1957-60                              |
| 52               | Santa Fe River near Fort White, Fla.            | 1,080                   | Daily stage and discharge, 1927-29; 1932-60 |
| 53               | Santa Fe River near Graham, Fla.                | 135                     | Daily stage and discharge, 1957-60          |
| 55               | Santa Fe River near High Springs, Fla.          | 950                     | Daily stage and discharge, 1931-60          |
| 56               | Santa Fe River at Worthington, Fla.             | 630                     | Daily stage and discharge, 1931-60          |
| 58               | South Fork Black Creek near Camp Blanding, Fla. | 34.8                    | Daily stage and discharge, 1957-60          |
| 59               | South Fork Black Creek near Penney Farms, Fla.  | 134                     | Daily stage and discharge, 1939-60          |

Table 7. (Continued)

| Site no.<br>(Fig. 3)  | Name and location                       | Drainage area<br>(sq. mi.) | Type and period of record                 |
|-----------------------|---|----------------------------|---|
| 60                    | Swift Creek near Lake Butler, Fla.      | 27                         | Daily stage and discharge, 1957-60        |
| 62                    | Wadesboro Spring near Orange Park, Fla. | -                          | Occasional discharge, 1946-60             |
| 63                    | Water Oak Creek near Starke, Fla.       | 20.7                       | Occasional discharge, 1957-60             |
| 64                    | Yellow Water Creek near Maxville, Fla.  | 25.7                       | Periodic discharge, crest stages, 1957-60 |
| *Area of lake surface |   |                            |   |

Table 6. Surface-Water Sampling Stations and Sampling Frequency

| Station no. | Name and location  | Sampling frequency | d, daily |  | P, 6-8 week intervals |  | SA, semi-annual |   | M, miscellaneous |                   |
|-------------|--|--------------------|----------|--|-----------------------|--|-----------------|---|------------------|-------------------|
|             |  |                    |          |  |                       |  | Station no.     | Name and location                                     | Station no.      | Name and location |
| 1           | Alligator Creek near Lawtey off State Hwys, 16 and 25, Florida | SA                 |          |  |                       |  | 38              | North Fork Black Creek near Highland, Florida         | SA-1 yr          | d-1 yr            |
| 2           | Ates Creek near Penney Farms, Florida                          | SA                 |          |  |                       |  |                 |   | P-1 yr           |                   |
| 4           | Brooklyn Lake near Keystone Heights, Florida                   | SA                 |          |  |                       |  | 39              | North Fork Black Creek near Middleburg, Florida       | P                |                   |
| 5           | Bull Creek near Middleburg, Florida                            | SA                 |          |  |                       |  | 40              | Olustee Creek near Providence, Florida                | P                |                   |
| 6           | Butler Creek near Lake Butler, Florida                         | SA                 |          |  |                       |  | 41              | Orange Lake at Heagey's Fishing Camp, Florida         | SA               |                   |
| 7           | Camps Canal near Rochelle, Florida                             | SA                 |          |  |                       |  | 43              | Orange Lake at Orange Lake, Florida                   | SA               |                   |
| 8           | Clarks Creek near Green Cove Springs, Florida                  | M                  |          |  |                       |  | 45              | Pebble Lake near Keystone Heights, Florida            | SA               |                   |
| 9           | Crystal Lake near Keystone Heights, Florida                    | SA                 |          |  |                       |  | 46              | Peters Creek near Penney Farms, Florida               | M                |                   |
| 10          | Deep Creek near Rodman, Florida (Putnam County)                | SA                 |          |  |                       |  | 48              | Rocky Creek near LaCross, Florida                     | SA               |                   |
| 14          | Green's Creek near Penney Farms, Florida                       | SA                 |          |  |                       |  | 49              | Sampson River at Graham, Florida                      | SA               |                   |
| 15          | Hall Lake near Keystone Heights, Florida                       | SA                 |          |  |                       |  | 50              | Sand Hill Lake near Keystone Heights, Florida         | SA               |                   |
| 16          | Hampton Lake at Hampton Beach, Florida                         | SA                 |          |  |                       |  | 53              | Santa Fe River at Graham, Florida                     | P                |                   |
| 18          | Hatchet Creek near Graham, Florida                             | SA                 |          |  |                       |  | 54              | Santa Fe Lake near Melrose, Florida                   | SA               |                   |
| 21          | Kingsley Lake at Camp Blanding, Florida                        | SA                 |          |  |                       |  | 55              | Santa Fe River near High Springs, Florida             | P-2 yr           | d-1 yr            |
| 22          | Lake Butler at Lake Butler, Florida                            | SA                 |          |  |                       |  |                 |   | d                |                   |
| 23          | Lake Geneva at Keystone Heights, Florida                       | SA                 |          |  |                       |  | 56              | Santa Fe River at Worthington, Florida                | SA               |                   |
| 24          | Lake Grandin near Interlachen, Florida (Putnam County)         | SA                 |          |  |                       |  | 57              | Smith Lake near Keystone Heights, Florida             | M                |                   |
| 25          | Lake Johnson near Keystone Heights, Florida                    | SA                 |          |  |                       |  | 58              | South Fork Black Creek near Camp Blanding, Florida    | P-2 yr           | d-1 yr            |
| 26          | Lake Sampson at Sampson City, near Starke, Florida             | SA                 |          |  |                       |  | 59              | South Fork Black Creek near Penney Farms, Florida     | SA               |                   |
| 28          | Little Santa Fe Lake near Melrose, Florida                     | SA                 |          |  |                       |  | 61              | Swift Creek near Providence, Florida                  | SA               |                   |
| 30          | Lochloosa Creek at Grove Park, Florida                         | SA                 |          |  |                       |  | 63              | Water Oak Creek at State Road 25 near Starke, Florida | SA               |                   |
| 32          | Lochloosa Lake at Lochloosa, Florida                           | SA                 |          |  |                       |  | 64              | Yellow Water Branch near Maxville, Florida            | SA               |                   |
| 34          | Magnolia Lake near Keystone Heights, Florida                   | SA                 |          |  |                       |  |                 |   |                  |                   |
| 35          | Newmans Lake near Gainesville, Florida                         | SA                 |          |  |                       |  |                 |   |                  |                   |
| 36          | New River near Lake Butler, Florida                            | d-1 yr             |          |  |                       |  |                 |   |                  |                   |
|             |  | P-2 yr             |          |  |                       |  |                 |   |                  |                   |



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