

Table 4.--Chemical analyses of water from streams in Choctaw County, ALABAMA.

[Results in milligrams per liter except as indicated] (Station numbers correspond with those shown on figure 4.)

| Number    | Stream name<br>or<br>well owner        | Date of<br>collection | Water<br>bearing<br>unit | Stream<br>discharge<br>(mgd)<br>or<br>well depth<br>(feet) | Milligrams                    |              |                 |                        |                | PER                   |                                         | LITER                                | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids | Hardness<br>as CaCO <sub>3</sub> |                             | Specific<br>conductance<br>(micromhos<br>at 25° C) | PH  | Temperature |     |
|-----------|----------------------------------------|-----------------------|--------------------------|------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|-----------------|-------------------------------|---------------------|----------------------------------|-----------------------------|----------------------------------------------------|-----|-------------|-----|
|           |                                        |                       |                          |                                                            | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Potas-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) |                               |                  |                 |                               |                     | Calcium,<br>magnesium            | Non-<br>car-<br>bon-<br>ate |                                                    |     | ° C         | ° F |
| 2-4691.00 | Tombigbee River<br>at Pennington.      | 10- 6-66              |                          | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 9.2              | ...             | ...                           | ...                 | 58                               | 17                          | 174                                                | 6.8 | 24          | 75  |
|           |                                        | 4- 5-67               |                          | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 8.2              | ...             | ...                           | ...                 | 55                               | 14                          | 150                                                | 6.9 | 21          | 69  |
| 2-4694.96 | Boguelichitto<br>Creek near<br>Idaman. | 10- 6-66              |                          | 2.6                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 30                                      | 0                                    | ...                           | 3.0              | ...             | ...                           | ...                 | 25                               | 0                           | 76                                                 | 6.8 | 17          | 63  |
|           |                                        | 4- 5-67               |                          | 14.0                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 30                                      | 0                                    | ...                           | 3.8              | ...             | ...                           | ...                 | 25                               | 0                           | 78                                                 | 7.5 | 21          | 69  |
| 2-4695.00 | Tuckabum Creek<br>near Butler.         | 9-20-65               |                          | 7.8                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 60                                      | 0                                    | ...                           | 6.0              | ...             | ...                           | ...                 | 38                               | 0                           | 120                                                | 7.7 | 26          | 78  |
|           |                                        | 10-26-65              |                          | 6.1                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 56                                      | 0                                    | ...                           | 5.6              | ...             | ...                           | ...                 | 40                               | 0                           | 120                                                | 7.7 | 11          | 51  |
|           |                                        | 11-30-65              |                          | 7.7                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 56                                      | 0                                    | ...                           | 4.2              | ...             | ...                           | ...                 | 32                               | 0                           | 112                                                | 7.6 | 10          | 50  |
|           |                                        | 1- 4-66               |                          | 145                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 16                                      | 0                                    | ...                           | 4.4              | ...             | ...                           | ...                 | 20                               | 7                           | 58                                                 | 7.2 | 12          | 54  |
|           |                                        | 2-15-66               |                          | 477                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 6                                       | 0                                    | ...                           | 3.4              | ...             | ...                           | ...                 | 12                               | 7                           | 40                                                 | 7.0 | 12          | 54  |
|           |                                        | 3-29-66               |                          | 72.4                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 20                                      | 0                                    | ...                           | 3.4              | ...             | ...                           | ...                 | 22                               | 6                           | 61                                                 | 7.7 | 12          | 53  |
|           |                                        | 5-12-66               |                          | 27.1                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 36                                      | 0                                    | ...                           | 2.6              | ...             | ...                           | ...                 | 30                               | 0                           | 79                                                 | 7.8 | 18          | 65  |
|           |                                        | 6-23-66               |                          | 13.6                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 30                                      | 0                                    | ...                           | 2.8              | ...             | ...                           | ...                 | 28                               | 3                           | 74                                                 | 7.3 | 24          | 76  |
|           |                                        | 8- 4-66               |                          | 9.0                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 58                                      | 0                                    | ...                           | 2.8              | ...             | ...                           | ...                 | 42                               | 0                           | 113                                                | 7.5 | 27          | 80  |
|           |                                        | 9-15-66               |                          | 9.4                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 53                                      | 0                                    | ...                           | 2.4              | ...             | ...                           | ...                 | 28                               | 0                           | 100                                                | 7.6 | 22          | 72  |
|           |                                        | 10- 7-66              |                          | 5.7                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 46                                      | 0                                    | ...                           | 3.4              | ...             | ...                           | ...                 | 28                               | 0                           | 97                                                 | 7.6 | 14          | 58  |
|           |                                        | 11-17-66              |                          | 11.6                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 30                                      | 0                                    | ...                           | 3.6              | ...             | ...                           | ...                 | 22                               | 0                           | 79                                                 | 7.1 | 12          | 54  |
|           |                                        | 12-28-66              |                          | 32.1                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 22                                      | 0                                    | ...                           | 4.8              | ...             | ...                           | ...                 | 22                               | 4                           | 73                                                 | 6.8 | 9           | 48  |
|           |                                        | 2- 9-67               |                          | 130                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 10                                      | 0                                    | ...                           | 5.0              | ...             | ...                           | ...                 | 15                               | 7                           | 51                                                 | 6.5 | 5           | 41  |

in Choctaw County, Alabama.

Table 4 .--Chemical analyses of water from streams--Continued

| Number    | Stream name<br>or<br>well owner               | Date of<br>collection | Water-<br>bearing<br>unit | Stream<br>discharge<br>(mgd)<br>or<br>well depth<br>(feet) | Milligrams per liter          |              |                 |                        |                |                       |                                         |                                      |                               |                  |                 |                               |                     | Hardness<br>as CaCO <sub>3</sub> |                             | Specific<br>conductance<br>(micromhos<br>at 25° C) | PH  | Temperature |     |
|-----------|-----------------------------------------------|-----------------------|---------------------------|------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|-----------------|-------------------------------|---------------------|----------------------------------|-----------------------------|----------------------------------------------------|-----|-------------|-----|
|           |                                               |                       |                           |                                                            | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Potas-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids | Calcium,<br>magnesium            | Non-<br>car-<br>bon-<br>ate |                                                    |     | ° C         | ° F |
| 2-4695.00 | Tuckabum Creek<br>near Butler--<br>Continued. | 3-23-67               |                           | 26.9                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 38                                      | 0                                    | ...                           | 4.6              | ...             | ...                           | ...                 | 28                               | 0                           | 94                                                 | 7.3 | 16          | 61  |
|           |                                               | 4- 6-67               |                           | 24.6                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 38                                      | 0                                    | ...                           | 4.2              | ...             | ...                           | ...                 | 28                               | 0                           | 94                                                 | 7.5 | 21          | 70  |
| 2-4695.20 | Yantley Creek near<br>Jachin.                 | 10- 7-66              |                           | 8.1                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 63                                      | 0                                    | ...                           | 5.8              | ...             | ...                           | ...                 | 22                               | 0                           | 126                                                | 7.7 | 14          | 58  |
|           |                                               | 4- 6-67               |                           | 19.9                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 48                                      | 0                                    | ...                           | 6.0              | ...             | ...                           | ...                 | 30                               | 0                           | 109                                                | 7.6 | 20          | 68  |
| 2-4695.25 | Tombigbee River<br>near Nanafalia.            | 6-27-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 58                                      | 0                                    | ...                           | 17               | ...             | ...                           | ...                 | 60                               | 12                          | 169                                                | 7.9 | 30          | 86  |
| 2-4695.75 | Wahalak Creek<br>near Butler.                 | 10- 6-66              |                           | 2.0                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 43                                      | 0                                    | ...                           | 3.4              | ...             | ...                           | ...                 | 35                               | 0                           | 104                                                | 7.4 | 16          | 61  |
|           |                                               | 4- 5-67               |                           | 5.9                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 32                                      | 0                                    | ...                           | 3.4              | ...             | ...                           | ...                 | 35                               | 9                           | 95                                                 | 7.1 | 20          | 68  |
| 2-4696.75 | Okatuppa Creek at<br>Okatuppa.                | 10- 6-66              |                           | 8.3                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 24                                      | 0                                    | ...                           | 3.0              | ...             | ...                           | ...                 | 28                               | 8                           | 71                                                 | 7.1 | 18          | 64  |
|           |                                               | 4- 6-67               |                           | 22.4                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 16                                      | 0                                    | ...                           | 3.4              | ...             | ...                           | ...                 | 22                               | 9                           | 68                                                 | 7.2 | 19          | 66  |
| 2-4696.94 | Puss Cuss Creek<br>near Gilbertown.           | 3- 8-67               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 118                                     | 0                                    | ...                           | 204              | ...             | ...                           | ...                 | 138                              | 41                          | 878                                                | 7.5 | ..          | ..  |
|           |                                               | 4- 6-67               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 140                                     | 0                                    | ...                           | 500              | ...             | ...                           | ...                 | 215                              | 100                         | 1,810                                              | 7.4 | 25          | 77  |
|           |                                               | 5- 2-67               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 90                                      | 0                                    | ...                           | 105              | ...             | ...                           | ...                 | 102                              | 28                          | 520                                                | 7.3 | 19          | 67  |
| 2-4697.00 | Okatuppa Creek at<br>Gilbertown.              | 9- 1-65               |                           | 23.2                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 47                                      | 0                                    | ...                           | 240              | ...             | ...                           | ...                 | 100                              | 61                          | 770                                                | 6.9 | 24          | 75  |
|           |                                               | 10-26-65              |                           | 14.9                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 70                                      | 0                                    | ...                           | 323              | ...             | ...                           | ...                 | 140                              | 83                          | 1,100                                              | 7.7 | 14          | 57  |
|           |                                               | 11-30-65              |                           | 16.3                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 96                                      | 0                                    | ...                           | 304              | ...             | ...                           | ...                 | 142                              | 64                          | 1,130                                              | 8.2 | 11          | 51  |
|           |                                               | 1- 4-66               |                           | 216                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 40                                      | 0                                    | ...                           | 23               | ...             | ...                           | ...                 | 45                               | 12                          | 175                                                | 7.7 | 13          | 55  |
|           |                                               | 1- 5-66               |                           | 1,500                                                      | ...                           | ...          | ...             | ...                    | ...            | ...                   | 46                                      | 0                                    | ...                           | 8.4              | ...             | ...                           | ...                 | 48                               | 10                          | 120                                                | 7.9 | 13          | 56  |

in Choctaw County, Alabama.

Table 4 .--Chemical analyses of water from streams--Continued

| Number    | Stream name<br>or<br>well owner                 | Date of<br>collection | <del>Water-bearing unit</del> | Stream<br>discharge<br>(mgd)<br>or<br>well depth<br>(feet) | MILLIGRAMS PER LITER          |              |                 |                        |                |                       |                                         |                                      |                               |                  |                 |                               | Hardness<br>as CaCO <sub>3</sub> |                       | Specific<br>conductance<br>(micromhos<br>at 25° C) | pH  | Temperature                 |     |     |
|-----------|-------------------------------------------------|-----------------------|-------------------------------|------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|-----------------|-------------------------------|----------------------------------|-----------------------|----------------------------------------------------|-----|-----------------------------|-----|-----|
|           |                                                 |                       |                               |                                                            | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Potas-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids              | Calcium,<br>magnesium |                                                    |     | Non-<br>car-<br>bon-<br>ate | ° C | ° F |
|           |                                                 |                       |                               |                                                            |                               |              |                 |                        |                |                       |                                         |                                      |                               |                  |                 |                               |                                  |                       |                                                    |     |                             |     |     |
| 2-4697.00 | Okatuppa Creek<br>at Gilbertown--<br>Continued. | 1- 7-66               |                               | 255                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 36                                      | 0                                    | ...                           | 2.0              | ...             | ...                           | ...                              | 45                    | 15                                                 | 154 | 7.4                         | 12  | 53  |
|           |                                                 | 2-15-66               |                               | 645                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 36                                      | 0                                    | ...                           | 32               | ...             | ...                           | ...                              | 40                    | 10                                                 | 112 | 7.7                         | 12  | 54  |
|           |                                                 | 3-29-66               |                               | 127                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 54                                      | 0                                    | ...                           | 34               | ...             | ...                           | ...                              | 60                    | 16                                                 | 210 | 7.8                         | 12  | 53  |
|           |                                                 | 5-10-66               |                               | 68.5                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 70                                      | 0                                    | ...                           | 78               | ...             | ...                           | ...                              | 88                    | 31                                                 | 377 | 7.5                         | 22  | 71  |
|           |                                                 | 5-12-66               |                               | 63.0                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 78                                      | 0                                    | ...                           | 77               | ...             | ...                           | ...                              | 90                    | 26                                                 | 384 | 7.9                         | 19  | 67  |
|           |                                                 | 6-22-66               |                               | 14.8                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 22                                   | ...                           | 217              | ...             | ...                           | ...                              | 128                   | 50                                                 | 849 | 8.4                         | 28  | 82  |
|           |                                                 | 8- 4-66               |                               | 33.1                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 72                                      | 0                                    | ...                           | 243              | ...             | ...                           | ...                              | 115                   | 56                                                 | 919 | 7.2                         | 26  | 78  |
|           |                                                 | 9-15-66               |                               | 26.8                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 60                                      | 0                                    | ...                           | 200              | ...             | ...                           | ...                              | 102                   | 53                                                 | 756 | 7.4                         | 23  | 73  |
|           |                                                 | 10- 6-66              |                               | 15.9                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 70                                      | 0                                    | ...                           | 220              | ...             | ...                           | ...                              | 118                   | 61                                                 | 993 | 7.4                         | 18  | 65  |
|           |                                                 | 11-16-66              |                               | 27.5                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 64                                      | 0                                    | ...                           | 186              | ...             | ...                           | ...                              | 102                   | 50                                                 | 743 | 7.3                         | 14  | 57  |
|           |                                                 | 12-29-66              |                               | 154                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 40                                      | 0                                    | ...                           | 29               | ...             | ...                           | ...                              | 52                    | 19                                                 | 187 | 6.9                         | 9   | 49  |
|           |                                                 | 2- 7-67               |                               | 584                                                        | ...                           | ...          | ...             | ...                    | ...            | ...                   | 28                                      | 0                                    | ...                           | 12               | ...             | ...                           | ...                              | 35                    | 12                                                 | 108 | 6.8                         | 6   | 42  |
|           |                                                 | 3-16-67               |                               | 52.6                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 70                                      | 0                                    | ...                           | 129              | ...             | ...                           | ...                              | 98                    | 41                                                 | 577 | 7.5                         | 19  | 66  |
|           |                                                 | 4- 6-67               |                               | 36.2                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 70                                      | 0                                    | ...                           | 143              | ...             | ...                           | ...                              | 100                   | 43                                                 | 616 | 7.6                         | 20  | 68  |
| 2-4697.05 | Okatuppa Creek<br>near Gilbertown.              | 9- 3-65               |                               | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | ...                                     | ...                                  | 37                            | ...              | ...             | ...                           | 32                               | ...                   | 152                                                | 7.0 | ..                          | ..  |     |
|           |                                                 | 10- 1-65              |                               | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 22                                      | 0                                    | ...                           | 14               | ...             | ...                           | ...                              | 30                    | 12                                                 | 85  | 6.9                         | 23  | 74  |
|           |                                                 | 10-29-65              |                               | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 240              | ...             | ...                           | ...                              | 92                    | 51                                                 | 780 | 7.1                         | 14  | 58  |



in Cheetaw County, Alabama.

Table 4. --Chemical analyses of water from streams--Continued

| Number    | Stream name<br>or<br>well owner                              | Date of<br>collection | <del>Water<br/>bearing<br/>unit</del> | Stream<br>discharge<br>(mgd)<br>or<br>well depth<br>(feet) | Milligrams per liter          |              |                 |                        |                |                       |                                         |                                      |                       |                             | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids | Hardness<br>as CaCO <sub>3</sub> |     | Specific<br>conductance<br>(micromhos<br>at 25° C) | pH | Temperature |  |
|-----------|--------------------------------------------------------------|-----------------------|---------------------------------------|------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------|-----------------------------------------|--------------------------------------|-----------------------|-----------------------------|-------------------------------|------------------|-----------------|-------------------------------|---------------------|----------------------------------|-----|----------------------------------------------------|----|-------------|--|
|           |                                                              |                       |                                       |                                                            | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Potas-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Calcium,<br>magnesium | Non-<br>car-<br>bon-<br>ate |                               |                  |                 |                               |                     | ° C                              | ° F |                                                    |    |             |  |
|           |                                                              |                       |                                       |                                                            |                               |              |                 |                        |                |                       |                                         |                                      |                       |                             |                               |                  |                 |                               |                     |                                  |     |                                                    |    |             |  |
| 2-4697.08 | Mill Creek above<br>Little Mill<br>Creek near<br>Gilbertown. | 9- 3-65               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | ...                                     | ...                                  | ...                   | 160                         | ...                           | ...              | ...             | 90                            | ...                 | 650                              | 7.1 | 23                                                 | 73 |             |  |
|           |                                                              | 9-16-65               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | ...                                     | ...                                  | ...                   | 80                          | ...                           | ...              | ...             | 58                            | ...                 | 320                              | 7.3 | 23                                                 | 74 |             |  |
|           |                                                              | 10- 1-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 24                                      | 0                                    | ...                   | 68                          | ...                           | ...              | ...             | 42                            | 22                  | 260                              | 6.5 | 23                                                 | 73 |             |  |
|           |                                                              | 10-15-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 56                                      | 0                                    | ...                   | 84                          | ...                           | ...              | ...             | 65                            | 19                  | 360                              | 7.3 | 19                                                 | 66 |             |  |
|           |                                                              | 10-29-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 62                                      | 0                                    | ...                   | 60                          | ...                           | ...              | ...             | 58                            | 17                  | 255                              | 7.3 | 11                                                 | 52 |             |  |
| 2-4697.11 | Little Mill Creek<br>at mouth near<br>Gilbertown.            | 9- 3-65               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | ...                                     | ...                                  | ...                   | 2,250                       | ...                           | ...              | ...             | 420                           | ...                 | 5,800                            | 6.6 | 23                                                 | 74 |             |  |
|           |                                                              | 9-16-65               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | ...                                     | ...                                  | ...                   | 3,500                       | ...                           | ...              | ...             | 600                           | ...                 | 7,500                            | 7.0 | 23                                                 | 74 |             |  |
|           |                                                              | 10- 1-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 14                                      | 0                                    | ...                   | 260                         | ...                           | ...              | ...             | 68                            | 57                  | 760                              | 6.5 | 23                                                 | 73 |             |  |
|           |                                                              | 10-15-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 36                                      | 0                                    | ...                   | 1,800                       | ...                           | ...              | ...             | 445                           | 415                 | 5,500                            | 6.8 | 19                                                 | 66 |             |  |
|           |                                                              | 10-29-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 40                                      | 0                                    | ...                   | 3,080                       | ...                           | ...              | ...             | 750                           | 715                 | 9,000                            | 6.9 | 11                                                 | 52 |             |  |
|           |                                                              | 3- 8-67               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 28                                      | 0                                    | ...                   | 265                         | ...                           | ...              | ...             | 80                            | 57                  | 854                              | 6.9 | ..                                                 | .. |             |  |
|           |                                                              | 4- 6-67               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 36                                      | 0                                    | ...                   | 660                         | ...                           | ...              | ...             | 195                           | 165                 | 2,230                            | 7.1 | 21                                                 | 69 |             |  |
|           |                                                              | 5- 2-67               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 12                                      | 0                                    | ...                   | 820                         | ...                           | ...              | ...             | 220                           | 210                 | 2,700                            | 6.2 | 21                                                 | 69 |             |  |
| 2-4697.14 | Okatuppa Creek<br>below Mill Creek<br>near Barrytown.        | 9- 3-65               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | ...                                     | ...                                  | ...                   | 160                         | ...                           | ...              | ...             | 56                            | ...                 | 545                              | 6.8 | 24                                                 | 75 |             |  |
|           |                                                              | 9-16-65               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | ...                                     | ...                                  | ...                   | 660                         | ...                           | ...              | ...             | 168                           | ...                 | 2,000                            | 7.1 | 29                                                 | 85 |             |  |
|           |                                                              | 10- 1-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 24                                      | 0                                    | ...                   | 41                          | ...                           | ...              | ...             | 38                            | 18                  | 182                              | 6.7 | 23                                                 | 74 |             |  |
|           |                                                              | 10-15-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                   | 500                         | ...                           | ...              | ...             | 148                           | 107                 | 1,550                            | 7.0 | 21                                                 | 69 |             |  |
|           |                                                              | 10-29-65              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 52                                      | 0                                    | ...                   | 820                         | ...                           | ...              | ...             | 225                           | 182                 | 2,500                            | 7.0 | 15                                                 | 59 |             |  |

in Choctaw County, Alabama.

Table 4. --Chemical analyses of water from streams--Continued

| Number    | Stream name<br>or<br>well owner                                 | Date of<br>collection | Water-<br>bearing<br>unit | Stream<br>discharge<br>(mgd)<br>or<br>well depth<br>(feet) | Milligrams per liter          |              |                 |                        |                |                      |                                         |                                      |                               |                  | Hardness<br>as CaCO <sub>3</sub> |                               | Specific<br>conductance<br>(micromhos<br>at 25° C) | PH  | Temperature         |                       |                             |     |     |
|-----------|-----------------------------------------------------------------|-----------------------|---------------------------|------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|----------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|----------------------------------|-------------------------------|----------------------------------------------------|-----|---------------------|-----------------------|-----------------------------|-----|-----|
|           |                                                                 |                       |                           |                                                            | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Pota-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F)                  | Nitrate<br>(NO <sub>3</sub> ) |                                                    |     | Dissolved<br>solids | Calcium,<br>magnesium | Non-<br>car-<br>bon-<br>ate | ° C | ° F |
|           |                                                                 |                       |                           |                                                            |                               |              |                 |                        |                |                      |                                         |                                      |                               |                  |                                  |                               |                                                    |     |                     |                       |                             |     |     |
| 2-4697.22 | Surveyors Creek<br>near Womack<br>Hill.                         | 9- 3-65               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | ...                                     | ...                                  | ...                           | 5.6              | ...                              | ...                           | ...                                                | 20  | ...                 | 44                    | 7.0                         | ..  | ..  |
|           |                                                                 | 9-16-65               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | ...                                     | ...                                  | ...                           | 7.2              | ...                              | ...                           | ...                                                | 22  | ...                 | 60                    | 7.0                         | 24  | 75  |
|           |                                                                 | 10- 1-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 8                                       | 0                                    | ...                           | 6.0              | ...                              | ...                           | ...                                                | 12  | 5                   | 38                    | 6.3                         | 23  | 74  |
|           |                                                                 | 10-15-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 20                                      | 0                                    | ...                           | 6.0              | ...                              | ...                           | ...                                                | 20  | 4                   | 60                    | 6.9                         | 18  | 65  |
|           |                                                                 | 10-29-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 24                                      | 0                                    | ...                           | 6.6              | ...                              | ...                           | ...                                                | 23  | 5                   | 60                    | 6.9                         | 13  | 55  |
| 2-4697.24 | Unnamed tributary<br>to Surveyors<br>Creek near<br>Womack Hill. | 9- 3-65               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | ...                                     | ...                                  | ...                           | 5.0              | ...                              | ...                           | ...                                                | 18  | ...                 | 40                    | 6.6                         | ..  | ..  |
|           |                                                                 | 9-16-65               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | ...                                     | ...                                  | ...                           | 7.0              | ...                              | ...                           | ...                                                | 25  | ...                 | 55                    | 7.0                         | 25  | 77  |
|           |                                                                 | 10- 1-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 12                                      | 0                                    | ...                           | 7.6              | ...                              | ...                           | ...                                                | 18  | 8                   | 40                    | 6.4                         | 23  | 74  |
|           |                                                                 | 10-15-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 24                                      | 0                                    | ...                           | 7.6              | ...                              | ...                           | ...                                                | 25  | 5                   | 58                    | 7.0                         | 21  | 70  |
|           |                                                                 | 10-29-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 22                                      | 0                                    | ...                           | 8.6              | ...                              | ...                           | ...                                                | 20  | 2                   | 50                    | 7.0                         | 13  | 55  |
| 2-4697.27 | Surveyors Creek<br>near Barrytown.                              | 9- 3-65               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | ...                                     | ...                                  | ...                           | 47               | ...                              | ...                           | ...                                                | 28  | ...                 | 188                   | 6.8                         | 24  | 76  |
|           |                                                                 | 10- 1-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 20                                      | 0                                    | ...                           | 30               | ...                              | ...                           | ...                                                | 28  | 12                  | 138                   | 6.7                         | 23  | 73  |
|           |                                                                 | 10-29-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 54                                      | 0                                    | ...                           | 900              | ...                              | ...                           | ...                                                | 236 | 194                 | 2,700                 | 7.2                         | 15  | 59  |
|           |                                                                 | 3- 8-67               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 18                                      | 0                                    | ...                           | 32               | ...                              | ...                           | ...                                                | 28  | 13                  | 155                   | 6.7                         | ..  | ..  |
|           |                                                                 | 4- 6-67               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 32                                      | 0                                    | ...                           | 46               | ...                              | ...                           | ...                                                | 40  | 14                  | 223                   | 6.9                         | 20  | 68  |
| 2-4697.30 | Okatuppa Creek<br>near Barrytown.                               | 5- 2-67               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | 26                                      | 0                                    | ...                           | 182              | ...                              | ...                           | ...                                                | 58  | 37                  | 662                   | 6.9                         | 19  | 66  |
|           |                                                                 | 9- 3-65               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | ...                                     | ...                                  | ...                           | 188              | ...                              | ...                           | ...                                                | 59  | ...                 | 620                   | 6.7                         | 24  | 75  |
|           |                                                                 | 9-16-65               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                  | ...                                     | ...                                  | ...                           | 660              | ...                              | ...                           | ...                                                | 160 | ...                 | 2,000                 | 7.3                         | 27  | 81  |

in Choctaw County, Alabama.

Table 4.--Chemical analyses of water from streams--Continued

| Number    | Stream name<br>or<br>well owner                  | Date of<br>collection | Water-<br>bearing<br>unit | Stream<br>discharge<br>(mgd)<br>or<br>well depth<br>(feet) | Milligrams PER Liter          |              |                 |                        |                | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids | Hardness<br>as CaCO <sub>3</sub> |                             | Specific<br>conductance<br>(micromhos<br>at 25° C) | pH  | Temperature |     |
|-----------|--------------------------------------------------|-----------------------|---------------------------|------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|-----------------|-------------------------------|---------------------|----------------------------------|-----------------------------|----------------------------------------------------|-----|-------------|-----|
|           |                                                  |                       |                           |                                                            | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Potas-<br>sium<br>(K)                   |                                      |                               |                  |                 |                               |                     | Calcium,<br>magnesium            | Non-<br>car-<br>bon-<br>ate |                                                    |     | ° C         | ° F |
| 2-4697.30 | Okatuppa Creek<br>near Barrytown--<br>Continued. | 10- 1-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 26                                   | 0                             | ...              | 35              | ...                           | ...                 | 35                               | 14                          | 162                                                | 6.8 | 23          | 73  |
|           |                                                  | 10-15-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 44                                   | 0                             | ...              | 380             | ...                           | ...                 | 122                              | 86                          | 1,200                                              | 6.8 | 21          | 69  |
|           |                                                  | 10-29-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 50                                   | 0                             | ...              | 820             | ...                           | ...                 | 218                              | 177                         | 2,500                                              | 7.2 | 15          | 59  |
|           |                                                  | 11-12-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 56                                   | 0                             | ...              | 970             | ...                           | ...                 | 252                              | 206                         | 2,700                                              | 7.1 | 17          | 62  |
|           |                                                  | 11-26-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 44                                   | 0                             | ...              | 810             | ...                           | ...                 | 210                              | 174                         | 2,500                                              | 6.9 | 17          | 63  |
|           |                                                  | 11-30-65              |                           | 25.9                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 50                                   | 0                             | ...              | 840             | ...                           | ...                 | 210                              | 169                         | 2,560                                              | 7.2 | 9           | 49  |
|           |                                                  | 12-10-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 46                                   | 0                             | ...              | 680             | ...                           | ...                 | 190                              | 152                         | 2,000                                              | 7.0 | 7           | 45  |
|           |                                                  | 12-23-65              |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 40                                   | 0                             | ...              | 137             | ...                           | ...                 | 70                               | 37                          | 546                                                | 7.2 | 7           | 45  |
|           |                                                  | 1- 6-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 22                                   | 0                             | ...              | 34              | ...                           | ...                 | 32                               | 14                          | 169                                                | 7.4 | 13          | 56  |
|           |                                                  | 1- 7-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 32                                   | 0                             | ...              | 74              | ...                           | ...                 | 48                               | 22                          | 314                                                | 7.9 | 11          | 52  |
|           |                                                  | 1-21-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 48                                   | 0                             | ...              | 146             | ...                           | ...                 | 75                               | 36                          | 568                                                | 8.0 | 6           | 43  |
|           |                                                  | 2- 4-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 38                                   | 0                             | ...              | 100             | ...                           | ...                 | 62                               | 31                          | 414                                                | 7.8 | 6           | 42  |
|           |                                                  | 2-21-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 30                                   | 0                             | ...              | 47              | ...                           | ...                 | 42                               | 17                          | 224                                                | 7.3 | 8           | 46  |
|           |                                                  | 3- 8-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 34                                   | 0                             | ...              | 62              | ...                           | ...                 | 50                               | 22                          | 276                                                | 7.6 | 8           | 46  |
|           |                                                  | 3-24-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 38                                   | 0                             | ...              | 93              | ...                           | ...                 | 60                               | 29                          | 380                                                | 7.9 | 16          | 60  |
|           |                                                  | 4- 8-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 40                                   | 0                             | ...              | 130             | ...                           | ...                 | 65                               | 32                          | 510                                                | 7.3 | 16          | 61  |
|           |                                                  | 4-25-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 42                                   | 0                             | ...              | 151             | ...                           | ...                 | 78                               | 44                          | 624                                                | 6.8 | 21          | 69  |
|           |                                                  | 5-11-66               |                           | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                                     | 52                                   | 0                             | ...              | 152             | ...                           | ...                 | 80                               | 37                          | 603                                                | 7.4 | 18          | 64  |



in Choctaw County, Alabama.

Table 4.--Chemical analyses of water from streams--Continued

| Number    | Stream name<br>or<br>well owner                  | Date of<br>collection | <del>Water<br/>bearing<br/>unit</del> | Stream<br>discharge<br>(mgd)<br>or<br>well depth<br>(feet) | Milligrams PER Liter          |              |                 |                        |                | Potas-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids | Hardness<br>as CaCO <sub>3</sub> |                             | Specific<br>conductance<br>(micromhos<br>at 25° C) | PH  | Temperature |     |
|-----------|--------------------------------------------------|-----------------------|---------------------------------------|------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|-----------------|-------------------------------|---------------------|----------------------------------|-----------------------------|----------------------------------------------------|-----|-------------|-----|
|           |                                                  |                       |                                       |                                                            | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) |                       |                                         |                                      |                               |                  |                 |                               |                     | Calcium,<br>magnesium            | Non-<br>car-<br>bon-<br>ate |                                                    |     | ° C         | ° F |
| 2-4697.30 | Okatuppa Creek<br>near Barrytown--<br>Continued. | 5-25-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 100              | ...             | ...                           | ...                 | 70                               | 29                          | 380                                                | 7.0 | 23          | 74  |
|           |                                                  | 6-13-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 62                                      | 0                                    | ...                           | 300              | ...             | ...                           | ...                 | 118                              | 67                          | 1,010                                              | 7.1 | 26          | 78  |
|           |                                                  | 6-24-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 560              | ...             | ...                           | ...                 | 170                              | 129                         | 1,840                                              | 6.8 | 24          | 76  |
|           |                                                  | 7-11-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 58                                      | 0                                    | ...                           | 580              | ...             | ...                           | ...                 | 175                              | 128                         | 1,900                                              | 7.1 | 30          | 86  |
|           |                                                  | 7-27-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 62                                      | 0                                    | ...                           | 700              | ...             | ...                           | ...                 | 202                              | 151                         | 2,280                                              | 7.0 | 28          | 83  |
|           |                                                  | 8-11-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 34               | ...             | ...                           | ...                 | 55                               | 14                          | 207                                                | 6.9 | 23          | 74  |
|           |                                                  | 8-26-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 56                                      | 0                                    | ...                           | 440              | ...             | ...                           | ...                 | 142                              | 96                          | 1,500                                              | 7.3 | 24          | 76  |
|           |                                                  | 9-12-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 62                                      | 0                                    | ...                           | 650              | ...             | ...                           | ...                 | 205                              | 138                         | 2,330                                              | 7.1 | 24          | 75  |
|           |                                                  | 9-26-66               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 54                                      | 0                                    | ...                           | 450              | ...             | ...                           | ...                 | 154                              | 94                          | 1,430                                              | 7.2 | 23          | 73  |
|           |                                                  | 10- 6-66              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 40                                      | 0                                    | ...                           | 280              | ...             | ...                           | ...                 | 95                               | 62                          | 964                                                | 7.3 | 16          | 61  |
|           |                                                  | 10-11-66              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 56                                      | 0                                    | ...                           | 140              | ...             | ...                           | ...                 | 72                               | 26                          | 556                                                | 7.4 | 20          | 68  |
|           |                                                  | 10-26-66              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 56                                      | 0                                    | ...                           | 450              | ...             | ...                           | ...                 | 140                              | 94                          | 1,460                                              | 7.4 | 17          | 63  |
|           |                                                  | 11- 9-66              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 52                                      | 0                                    | ...                           | 500              | ...             | ...                           | ...                 | 155                              | 113                         | 1,730                                              | 7.4 | 17          | 63  |
|           |                                                  | 11-23-66              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 58                                      | 0                                    | ...                           | 300              | ...             | ...                           | ...                 | 118                              | 71                          | 1,060                                              | 7.4 | 13          | 55  |
|           |                                                  | 12- 7-66              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 400              | ...             | ...                           | ...                 | 128                              | 87                          | 1,320                                              | 7.2 | 14          | 58  |
|           |                                                  | 12-21-66              |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 52                                      | 0                                    | ...                           | 260              | ...             | ...                           | ...                 | 105                              | 63                          | 981                                                | 7.4 | 9           | 49  |
|           |                                                  | 1- 4-67               |                                       | ....                                                       | ...                           | ...          | ...             | ...                    | ...            | ...                   | 38                                      | 0                                    | ...                           | 92               | ...             | ...                           | ...                 | 62                               | 31                          | 389                                                | 7.1 | 10          | 50  |

in Choctaw County, ALABAMA.

Table 4.--Chemical analyses of water from streams--Continued

| Number    | Stream name<br>—<br>or<br>well owner                               | Date of<br>collection | <del>Water<br/>bearing<br/>unit</del> | Stream<br>discharge<br>(mgd)<br>—<br>or<br>well depth<br>(feet) | MILLIGRAMS PER LITER          |              |                 |                        |                |                       |                                         |                                      |                               |                  |                 |                               |                     | Hardness<br>as CaCO <sub>3</sub> |                             | Specific<br>conductance<br>(micromhos<br>at 25° C) | PH  | Temperature |     |
|-----------|--------------------------------------------------------------------|-----------------------|---------------------------------------|-----------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|-----------------|-------------------------------|---------------------|----------------------------------|-----------------------------|----------------------------------------------------|-----|-------------|-----|
|           |                                                                    |                       |                                       |                                                                 | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Potas-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids | Calcium,<br>magnesium            | Non-<br>car-<br>bon-<br>ate |                                                    |     | ° C         | ° F |
|           |                                                                    |                       |                                       |                                                                 |                               |              |                 |                        |                |                       |                                         |                                      |                               |                  |                 |                               |                     |                                  |                             |                                                    |     |             |     |
| 2-4697.30 | Okatuppa Creek<br>near Barrytown--<br>Continued.                   | 1-20-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 40                                      | 0                                    | ...                           | 111              | ...             | ...                           | ...                 | 70                               | 37                          | 460                                                | 6.7 | 6           | 43  |
|           |                                                                    | 2- 6-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 48                                      | 0                                    | ...                           | 130              | ...             | ...                           | ...                 | 75                               | 36                          | 524                                                | 6.8 | 12          | 53  |
|           |                                                                    | 2-20-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 34                                      | 0                                    | ...                           | 111              | ...             | ...                           | ...                 | 62                               | 34                          | 452                                                | 6.7 | 12          | 54  |
|           |                                                                    | 3- 3-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 42                                      | 0                                    | ...                           | 124              | ...             | ...                           | ...                 | 68                               | 34                          | 498                                                | 6.7 | 13          | 56  |
|           |                                                                    | 3-17-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 54                                      | 0                                    | ...                           | 177              | ...             | ...                           | ...                 | 90                               | 46                          | 698                                                | 7.2 | 16          | 61  |
|           |                                                                    | 4- 3-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 46                                      | 0                                    | ...                           | 154              | ...             | ...                           | ...                 | 85                               | 47                          | 605                                                | 7.2 | 22          | 71  |
|           |                                                                    | 4- 6-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 56                                      | 0                                    | ...                           | 175              | ...             | ...                           | ...                 | 90                               | 44                          | 693                                                | 7.7 | 21          | 69  |
|           |                                                                    | 4-18-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 175              | ...             | ...                           | ...                 | 82                               | 41                          | 677                                                | 7.2 | 23          | 74  |
|           |                                                                    | 5- 1-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 68                                      | 0                                    | ...                           | 480              | ...             | ...                           | ...                 | 158                              | 102                         | 1,630                                              | 7.3 | 22          | 71  |
| 2-4697.54 | Turkey Creek near<br>Bolinger.                                     | 10- 6-66              |                                       | 0.4                                                             | ...                           | ...          | ...             | ...                    | ...            | ...                   | 162                                     | 9                                    | ...                           | 20               | ...             | ...                           | ...                 | 80                               | 0                           | 387                                                | 8.4 | 16          | 60  |
|           |                                                                    | 4- 6-67               |                                       | 5.9                                                             | ...                           | ...          | ...             | ...                    | ...            | ...                   | 92                                      | 0                                    | ...                           | 8.2              | ...             | ...                           | ...                 | 72                               | 0                           | 219                                                | 8.0 | 18          | 65  |
| 2-4697.60 | Tombigbee River<br>at Jackson Lock<br>and Dam near<br>Coffeeville. | 10- 4-66              |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 46                                      | 0                                    | ...                           | 13               | ...             | ...                           | ...                 | 50                               | 12                          | 171                                                | 7.4 | 24          | 76  |
|           |                                                                    | 4- 5-67               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 38                                      | 0                                    | ...                           | 13               | ...             | ...                           | ...                 | 45                               | 14                          | 137                                                | 7.2 | 19          | 66  |
| 2-4697.65 | Tombigbee River<br>near Coffeeville.                               | 10-26-65              |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 52                                      | 0                                    | ...                           | 26               | ...             | ...                           | ...                 | 68                               | 25                          | 225                                                | 7.7 | 22          | 71  |
|           |                                                                    | 12- 1-65              |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 50                                      | 0                                    | ...                           | 24               | ...             | ...                           | ...                 | 62                               | 21                          | 236                                                | 7.2 | 16          | 60  |
|           |                                                                    | 1- 7-66               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 38                                      | 0                                    | ...                           | 11               | ...             | ...                           | ...                 | 45                               | 14                          | 152                                                | 7.2 | 14          | 58  |
|           |                                                                    | 6-27-66               |                                       | ....                                                            | ...                           | ...          | ...             | ...                    | ...            | ...                   | 48                                      | 0                                    | ...                           | 29               | ...             | ...                           | ...                 | 50                               | 11                          | 191                                                | 8.1 | 28          | 83  |



Table 4.--Chemical analyses of water from streams--Continued

in Cheetaw County, Alabama,

| Number    | Stream name<br><del>or</del><br>well owner          | Date of<br>collection | <del>Water<br/>bearing<br/>unit</del> | Stream<br>discharge<br>(mgd)<br><del>or</del><br>well depth<br>(feet) | MILLIGRAMS PER LITER          |              |                 |                        |                |                       |                                         |                                      |                               |                  |                 |                               | Hardness<br>as CaCO <sub>3</sub> |                       | Specific<br>conductance<br>(micromhos<br>at 25° C) | PH  | Temperature                 |     |     |
|-----------|-----------------------------------------------------|-----------------------|---------------------------------------|-----------------------------------------------------------------------|-------------------------------|--------------|-----------------|------------------------|----------------|-----------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------|-----------------|-------------------------------|----------------------------------|-----------------------|----------------------------------------------------|-----|-----------------------------|-----|-----|
|           |                                                     |                       |                                       |                                                                       | Silica<br>(SiO <sub>2</sub> ) | Iron<br>(Fe) | Calcium<br>(Ca) | Magne-<br>sium<br>(Mg) | Sodium<br>(Na) | Potas-<br>sium<br>(K) | Bicar-<br>bonate<br>(HCO <sub>3</sub> ) | Car-<br>bonate<br>(CO <sub>3</sub> ) | Sulfate<br>(SO <sub>4</sub> ) | Chloride<br>(Cl) | Fluoride<br>(F) | Nitrate<br>(NO <sub>3</sub> ) | Dissolved<br>solids              | Calcium,<br>magnesium |                                                    |     | Non-<br>car-<br>bon-<br>ate | ° C | ° F |
|           |                                                     |                       |                                       |                                                                       |                               |              |                 |                        |                |                       |                                         |                                      |                               |                  |                 |                               |                                  |                       |                                                    |     |                             |     |     |
| 2-4697.65 | Tombigbee River<br>near Coffeeville<br>--Continued. | 8-29-66               |                                       | ....                                                                  | ...                           | ...          | ...             | ...                    | ...            | ...                   | 42                                      | 0                                    | ...                           | 13               | ...             | ...                           | ...                              | 48                    | 14                                                 | 174 | 7.3                         | 28  | 83  |

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