

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Appalachie  
NAME OF RESERVOIR

7-4  
DATA SHEET NO.

|             |                                     |   |                                     |                                    |   |                                |                                 |                                    |
|-------------|-------------------------------------|---|-------------------------------------|------------------------------------|---|--------------------------------|---------------------------------|------------------------------------|
| DAM         | 1. OWNER <b>Victor-Monaghan Co.</b> |   |                                     | 2. RIVER <b>South Tyger River</b>  |   | 3. STATE <b>South Carolina</b> |                                 |                                    |
|             | 4. SEC. <b>TWP.</b>                 |   | RANGE                               |                                    | 5. NEAREST TOWN <b>2 Mi. N. Greer</b>       |                                | 6. COUNTY <b>Spartanburg</b>    |                                    |
|             | 7. STREAM BED ELEV.                 |   |                                     | 8. TOP OF DAM ELEV.                |   | 9. SPILLWAY CREST ELEV.        |                                 |                                    |
| RESERVOIR   | 10. STORAGE ALLOCATION              | 11. ELEVATION TOP OF POOL               | 12. SURFACE AREA ACRES              |                                    | 13. STORAGE ACRE- FEET                      | 14. ACCUMULATED ACRE- FEET     | 15. DATE STORAGE BEGAN          |                                    |
|             | a. FLOOD CONTROL                    |   |                                     |                                    |   |                                | 1904                            |                                    |
|             | b. POWER                            |   | 80                                  |                                    | 2,500                                       | 2,500                          |                                 |                                    |
|             | c. WATER SUPPLY                     |   |                                     |                                    |   |                                | 16. DATE NORMAL OPER. BEGAN     |                                    |
|             | d. IRRIGATION                       |   |                                     |                                    |   |                                |                                 |                                    |
|             | e. CONSERVATION                     |   |                                     |                                    |   |                                |                                 |                                    |
|             | f. INACTIVE                         |   |                                     |                                    |   |                                |                                 |                                    |
| WATERSHED   | 17. LENGTH OF RESERVOIR             |   |                                     |                                    | MILES                                       | AV. WIDTH OF RESERVOIR         |                                 | MILES                              |
|             | 18. TOTAL DRAINAGE AREA             |   |                                     | 63.0                               | SQ. MI.                                     | 22. MEAN ANNUAL PRECIPITATION  |                                 | INCHES                             |
|             | 19. NET SEDIMENT CONTRIBUTING AREA  |   |                                     | 62.8                               | SQ. MI.                                     | 23. MEAN ANNUAL RUNOFF         |                                 | INCHES                             |
|             | 20. LENGTH.                         |   | MILES                               | AV. WIDTH                          | MILES                                       | 24. MEAN ANNUAL RUNOFF         |                                 | AC.- FT.                           |
|             | 21. MAX. ELEV.                      |   | MIN. ELEV.                          |                                    | 25. CLIMATIC CLASSIFICATION <b>Humid</b>    |                                |                                 |                                    |
| SURVEY DATA | 26. DATE OF SURVEY                  | 27. PERIOD YEARS                        | 28. ACCL. YEARS                     | 29. TYPE OF SURVEY                 | 30. NO. OF RANGES OR CONTOUR INT.           | 31. SURFACE AREA ACRES         | 32. CAPACITY ACRE- FEET         | 33. C/W RATIO AC.- FT. PER SQ. MI. |
|             | 1904                                | -                                       | -                                   | -                                  | -   | 80                             | 2,500                           | 40                                 |
|             | July 1934                           | 30                                      | 30                                  | Range Recon.                       | 12  | 60                             | 1,600                           | 25                                 |
|             | 26. DATE OF SURVEY                  | 34. PERIOD ANNUAL PRECIPITATION         |                                     | 35. PERIOD WATER INFLOW ACRE- FEET |   |                                | 36. WATER INFL. TO DATE AC- FT. |                                    |
|             |                                     | a. MEAN ANNUAL                          | b. MAX. ANNUAL                      | c. PERIOD TOTAL                    |   | d. MEAN ANNUAL                 | e. TOTAL TO DATE                |                                    |
|             |                                     |   |                                     |                                    |   |                                |                                 |                                    |
|             | 26. DATE OF SURVEY                  | 37. PERIOD SEDIMENT DEPOSITS ACRE- FEET |                                     |                                    | 38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET. |                                |                                 |                                    |
|             |                                     | a. PERIOD TOTAL                         | b. AV. ANNUAL                       | c. PER SQ. MI.- YEAR               | d. TOTAL TO DATE                            | e. AV. ANNUAL                  | f. PER SQ. MI.- YEAR            |                                    |
|             | July 1934                           | 900                                     | 30                                  | 0.48                               | 900   | 30                             | 0.48                            |                                    |
|             | 26. DATE OF SURVEY                  | 39. AV. DRY WGT. LBS. PER CU. FT.       | 40. SED. DEP. TONS PER SQ. MI.- YR. |                                    | 41. STORAGE LOSS PCT.                       |                                | 42. SED. INFLOW PPM             |                                    |
|             |                                     | a. PERIOD                               | b. TOTAL TO DATE                    | c. AV. ANNUAL                      | d. TOT. TO DATE                             | e. PERIOD                      | f. TOT. TO DATE                 |                                    |
| July 1934   |                                     |   |                                     | 1.2                                | 36.0  |                                |                                 |                                    |

|                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 26.<br>DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                       |   |       |       |       |       |       |       |       |       |        |      |      |      |      |      |
|-----------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 26.<br>DATE OF SURVEY | 44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR |       |       |       |       |       |       |       |       |        |      |      |      |      |      |
|                       | 0-10  | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | -105 | -110 | -115 | -120 | -125 |
|                       | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION          |       |       |       |       |       |       |       |       |        |      |      |      |      |      |
|                       |   |       |       |       |       |       |       |       |       |        |      |      |      |      |      |

| 45. RANGE IN RESERVOIR OPERATION |            |            |                |            |            |            |                |
|----------------------------------|------------|------------|----------------|------------|------------|------------|----------------|
| WATER YEAR                       | MAX. ELEV. | MIN. ELEV. | INFLOW AC.-FT. | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW AC.-FT. |
|                                  |            |            |                |            |            |            |                |

| 46. ELEVATION-AREA-CAPACITY DATA |      |          |           |      |          |           |      |          |
|----------------------------------|------|----------|-----------|------|----------|-----------|------|----------|
| ELEVATION                        | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
|                                  |      |          |           |      |          |           |      |          |

47. REMARKS AND REFERENCES  
 Eakin, H. M., *Silting of reservoirs*. U. S. Dept. Agr. Tech. Bul. 524  
 Rev. by C. B. Brown, Washington, U. S. Govt. Print. Off, 1939. pp. 128-130

Region 2, Soil Conservation Service  
 U. S. Dept. of Agriculture  
 Spartanburg, S. C.

48. AGENCY SUPPLYING DATA \_\_\_\_\_ 49. DATE October 1950