

RESERVOIR SEDIMENTATION
DATA SUMMARY

A. S. Kyle Pond
NAME OF RESERVOIR

15 - 22
DATA SHEET NO.

| DAM | 1. OWNER Albert S. Kyle | | | 2. RIVER Unnamed Trib. of Tallapoosa River | | 3. STATE Mississippi | | | |
|-------------------------|------------------------------------|---|------------------------------------|--|---|-------------------------------|--------------------------------|--|--------|
| | 4. SEC. 13 TWP. 9S RANGE 7W | | 5. NEAREST TOWN Batesville | | 6. COUNTY Panola | | | | |
| | 7. STREAM BED ELEV. 87.9 * | | 8. TOP OF DAM ELEV. - | | 9. SPILLWAY CREST ELEV. 100 * | | | | |
| 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 | | | | | | March 1945 | | |
| | b. POWER | | | | | | | | |
| | c. WATER SUPPLY | | | | | | | | |
| | d. IRRIGATION | | | | | | 16. DATE NORMAL OPER. BEGAN | | |
| | e. CONSERVATION | 100.0 | 3.76 | | 17.4 | 17.4 | | | |
| | f. INACTIVE | | | | | | March 1945 | | |
| 17. LENGTH OF RESERVOIR | 0.0852 1/ | | MILES | AV. WIDTH OF RESERVOIR | 0.0690 | | MILES | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA | | 0.0456 | | SQ. MI. | 22. MEAN ANNUAL PRECIPITATION | | 49.47 | INCHES |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | 0.0398 | | SQ. MI. | 23. MEAN ANNUAL RUNOFF | | - | INCHES |
| | 20. LENGTH | | MILES | AV. WIDTH | MILES | 24. MEAN ANNUAL RUNOFF | | - | AG-FT. |
| | 21. MAX. ELEV. | | - | MIN. ELEV. | | - | 25. CLIMATIC CLASSIFICATION | | |
| | | | | | | | Humid | | |
| 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. | |
| | March 1945 | - | - | - | - | 3.76 | 17.4 | 382 | |
| | March 1951 | 6.0 | 6.0 | Range detailed | 6 | 3.76 | 16.6 | 364 | |
| | 26. DATE OF SURVEY | 34. PERIOD ANNUAL PRECIPITATION | | 35. PERIOD WATER INFLOW ACRE- FEET | | | 36. WATER INFL. TO DATE AG-FT. | | |
| | | a. MEAN ANNUAL | b. MAX. ANNUAL | c. PERIOD TOTAL | d. MEAN ANNUAL | e. TOTAL TO DATE | | | |
| | March 1951 | 60.83 | | | | | | | |
| | 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 | | |
| | March 1951 | 0.749 | 0.125 | 3.14 | 0.749 | 0.125 | 3.14 | | |
| | 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 | | | |
| March 1951 | 52.04 (2) | 3,560 | 3,560 | 0.718 | 4.30 | | | | |

* Assumed

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

| | | | | | | | | | | | | | | | |
|-----------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 26. 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

1/ Two arms in reservoir.

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

48. AGENCY SUPPLYING DATA Spartanburg, South Carolina

49. DATE April 30, 1951