

RESERVOIR SEDIMENTATION
DATA SUMMARY

Albemarle City Lake
NAME OF RESERVOIR

7-5
DATA SHEET NO.

20% B-10
80% B-12

| | | | | | | | | | |
|-------------------------|------------------------------------|-----------------------------------|---|------------------------------------|------------------------------------|---|------------------------|---------------------------------|-----------------------------------|
| DAM | 1. OWNER City of Albemarle | | 2. RIVER Long Creek | | 3. STATE North Carolina | | | | |
| | 4. SEC. - TWP. - RANGE - | | 5. NEAREST TOWN 2 Mi. W. Albemarle | | 6. COUNTY Stanly | | | | |
| | 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 | | | | | Feb. 1924 | | | |
| | b. POWER | | | | | | | | |
| | c. WATER SUPPLY | | 300 | 1070 | 1070 | 16. DATE NORMAL OPER. BEGAN | | | |
| | d. IRRIGATION | | | | | | | | |
| | e. CONSERVATION | | | | | | | | |
| | f. INACTIVE | | | | | | | | |
| 17. LENGTH OF RESERVOIR | | | MILES | AV. WIDTH OF RESERVOIR | | | | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA | | 33.0 | SQ. MI. | 22. MEAN ANNUAL PRECIPITATION | | INCHES | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | 32.5 | SQ. MI. | 23. MEAN ANNUAL RUNOFF | | INCHES | | |
| | 20. LENGTH | | MILES | AV. WIDTH | | MILES | 24. MEAN ANNUAL RUNOFF | | |
| | 21. MAX. ELEV. | | MIN. ELEV. | | 25. CLIMATIC CLASSIFICATION | | | Humid | |
| | 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. |
| Feb. 1924 | | - | - | - | - | 300 | 1070 | 32.4 | |
| Aug. 1939 | | 15.5 | 15.5 | Range Recon. | 8 | 300 | 918 | 27.8 | |
| SURVEY DATA | 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 | |
| Aug. 1939 | | 152 | 9.81 | 0.302 | 152 | 9.81 | 0.302 | | |
| 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 | a. AV. ANNUAL | b. TOT. TO DATE | a. PERIOD | b. TOT. TO DATE |
| Aug. 1939 | | | | | | 0.92 | 14.2 | | |

| | | | | | | | | | | | | | | |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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

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

48. AGENCY SUPPLYING DATA Spartanburg, South Carolina 49. DATE October 1950