

5% B10
95% B12

RESERVOIR SEDIMENTATION
DATA SUMMARY

Norwood Lake (Tillery)

7-14

NAME OF RESERVOIR

DATA SHEET NO.

| | | | | | | | | | | | |
|-------------|---|---|---|------------------------------------|---|-----------------------------|---------------------------------|-----------------------------------|----------------------------|-----------------------------|--|
| DAM | 1. OWNER Carolina Power & Light Co. | | | 2. RIVER Pee Dee River | | | 3. STATE North Carolina | | | | |
| | 4. SEC. TWP. RANGE | | 5. NEAREST TOWN Mt. Gilead ^{4.5 MI. W.} | | | 6. COUNTY Montgomery | | | | | |
| | 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 | | | | | | | | | July 1928 | |
| | b. POWER | | | | 5,000 | | 136,823 | | 136,823 | | |
| | c. WATER SUPPLY | | | | | | | | | 16. DATE NORMAL OPER. BEGAN | |
| | d. IRRIGATION | | | | | | | | | | |
| | e. CONSERVATION | | | | | | | | | | |
| | f. INACTIVE | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR 18 MILES | | | | AV. WIDTH OF RESERVOIR MILES | | | | | | |
| | 18. TOTAL DRAINAGE AREA 4,600 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION 40± (7) INCHES | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 431 1/2 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 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. | | | |
| | July 1928 | - | - | - | - | 5,000 | 136,823 | 30 | | | |
| | March 1940 | 11.75 | 11.75 | Range recon. | 24 | 5,000 | 133,300 | 29 | | | |
| | 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 | | b. 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 | | b. AV. ANNUAL | | c. PER SQ. MI.-YEAR | | |
| | March 1940 | 3,523 | 299.8 | 0.696 | 3,523 | | 299.8 | | 0.696 | | |
| | 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 | | | | |
| March 1940 | | | | 0.22 | 2.57 | | | | | | |

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

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|-----------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 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/ Narrows upstream

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

48. AGENCY SUPPLYING DATA

49. DATE October 1950