

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Pee Dee Mfg. Co.

NAME OF RESERVOIR

7-12

DATA SHEET NO.

A-4

|                         |   |   |                                     |                                    |   |                                |                                 |  |
|-------------------------|---|---|-------------------------------------|------------------------------------|---|--------------------------------|---------------------------------|--|
| DAM                     | 1. OWNER <b>Pee Dee Mfg. Co.</b>                |   |                                     | 2. RIVER <b>Hitchcock Creek</b>    |   | 3. STATE <b>North Carolina</b> |                                 |  |
|                         | 4. SEC. - TWP. - RANGE -                        |   |                                     | 5. NEAREST TOWN <b>Rockingham</b>  |   | 6. COUNTY <b>Richmond</b>      |                                 |  |
|                         | 7. STREAM BED ELEV.                             |   |                                     | 8. TOP OF DAM ELEV.                |   | 9. SPILLWAY GREST 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                                |   |                                     |                                    |   | 1874                           |                                 |  |
|                         | b. POWER  |   | 62.4                                | 464                                | 464   |                                |                                 |  |
|                         | c. WATER SUPPLY                                 |   |                                     |                                    |   | 16. DATE NORMAL OPER. BEGAN    |                                 |  |
|                         | d. IRRIGATION                                   |   |                                     |                                    |   |                                |                                 |  |
|                         | e. CONSERVATION                                 |   |                                     |                                    |   |                                |                                 |  |
|                         | f. INACTIVE                                     |   |                                     |                                    |   |                                |                                 |  |
| 17. LENGTH OF RESERVOIR |   |   | MILES                               | AV. WIDTH OF RESERVOIR             |   | MILES                          |                                 |  |
| WATERSHED               | 18. TOTAL DRAINAGE AREA <b>176</b>              |   |                                     | SQ. MI.                            | 22. MEAN ANNUAL PRECIPITATION               |                                | INCHES                          |  |
|                         | 19. NET SEDIMENT CONTRIBUTING AREA <b>25 1/</b> |   |                                     | 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 <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 <sub>w</sub> RATIO AC- FT. PER SQ. MI. |
|                         | 1874  | -                                       | -                                   | -                                  | -   | 62.4                           | 464                             | 2.64   |
|                         | March 1940                                      | 66                                      | 66                                  | Range Recon.                       | 6   | 62.4                           | 404                             | 2.29   |
|                         | 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                    |   | a. 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               | a. TOTAL TO DATE                            | b. AV. ANNUAL                  | c. PER SQ. MI.- YEAR            |  |
|                         | March 1940                                      | 60                                      | 0.909                               | 0.036                              | 60  | 0.909                          | 0.036                           |  |
|                         | 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              |   |   |                                     | 0.20                               | 12.93                                       |                                |                                 |  |

|  |   |  |  |  |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|--|--|
| 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 |
| 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/ Ledbetters Pond upstream.

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

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