

RESERVOIR SEDIMENTATION
DATA SUMMARY

Southington Res.
NAME OF RESERVOIR

2-4

DATA SHEET NO.

| | | | | | | | | | | | |
|-------------------------|---|------------------------------------|---------------------------|---|------------------------|-----------------------------------|---------------------------------|------------------------|-------------------------------|-----------------------------------|---------|
| DAM | 1. OWNER | | | 2. RIVER Budd R. | | | 3. STATE Connecticut | | | | |
| | 4. SEC. TWP. RANGE | | | 5. NEAREST TOWN Southington | | | 6. COUNTY Hartford-NewHaven | | | | |
| | 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 | | | | | | | | | 1883 | |
| | b. POWER | | | | | | | | | | |
| | c. WATER SUPPLY | | | | 25.2 | | 321.8 | | 321.8 | 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 | | | | 1.08 | | SQ. MI. | | 22. MEAN ANNUAL PRECIPITATION | | INCHES |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | | | | | 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 | | |
| | 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. | |
| 1883 | | --- | --- | --- | | | 25.2 | 321.8 | 298.0 | | |
| Sept. 1951 | | 68 | 68 | Range Recon. | | | 25.2 | 314.0 | 290.7 | | |
| 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 | a. MEAN ANNUAL | b. TOTAL TO DATE. | | | | |
| | | | | | | | | | | | |
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| 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 | | | | | |
| Sept. 1951 | 7.8 | .11 | .10 | 7.8 | .11 | .10 | | | | | |
| 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 | | | | |
| Sept. 1951 | 50* | 108.9 | 108.9 | .04 | 2.4 | | | | | | |

* Assumed

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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 | | | | | | | | | | | | | | |
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| 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

Soil Conservation Service
Upper Darby, Pa.

48. AGENCY SUPPLYING DATA _____ 49. DATE _____