

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-62

Rocky Gorge
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

5-11
DATA SHEET NO.

| | | | | | | | | | | | | | | | |
|-----------------------------------|--|---------------------------------|--|-----------------------------------|--|----------------|--|---------------------------------|-----------------------------------|----------------|-----------------------------|------------------|------------------------|---|-----------------------------------|
| DAM | 1. OWNER Wash. Sub. Sanit. Comm. | | | 2. STREAM Patuxent | | | 3. STATE Maryland | | | | | | | | |
| | 4. SEC. 39°07' N W.P. 76°53' W RANGE | | | 5. NEAREST TOWN Laurel, Md. | | | 6. COUNTY Howard-Pr. Georges | | | | | | | | |
| | 7. STREAM BED ELEVATION 162.5 | | | 8. TOP OF DAM ELEVATION 294.0 | | | 9. SPILLWAY CREST ELEV. 286.5 | | | | | | | | |
| RESERVOIR | 10. STORAGE ALLOCATION | | 11. ELEVATION TOP OF POOL | | 12. ORIGINAL SURFACE AREA ACRES | | 13. ORIGINAL CAPACITY ACRE-Feet | | 14. GROSS STORAGE ACRE-Feet | | 15. DATE STORAGE BEGAN | | | | |
| | a. MULTIPLE USE | | | | | | | | | | March 1954 | | | | |
| | b. FLOOD CONTROL | | | | | | | | | | | | | | |
| | c. POWER | | | | | | | | | | | | | | |
| | d. WATER SUPPLY | | 286.5' | | 810.0 | | 21,390 | | 21,390 | | 16. DATE NORMAL OPER. BEGAN | | | | |
| | e. IRRIGATION | | | | | | | | | | May 1954 | | | | |
| | f. CONSERVATION | | | | | | | | | | | | | | |
| | g. SEDIMENT | | | | | | | | | | | | | | |
| h. INACTIVE | | | | | | | | | | | | | | | |
| 17. LENGTH OF RESERVOIR 9.5 MILES | | | | AV. WIDTH OF RESERVOIR .13 MILES | | | | | | | | | | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA 132.8 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION 42.08 INCHES | | | | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 50.14 SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF 1/14.26 INCHES | | | | | | | | | | |
| | 20. LENGTH 23.0 MILES | | AV. WIDTH 5.77 MILES | | 24. MEAN ANNUAL RUNOFF 1/100,993 AC.-FT. | | | | | | | | | | |
| | 21. MAX. ELEV. 880 | | MIN. ELEV. 162.5 | | 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. |
| Mar 1954 | | - | | - | | Range | | 39 | | 810.0 | | 21,390 | | - | |
| Aug 1, 1964 | | 10.4 | | 10.4 | | Range(D) | | 39 | | 810.0 | | 20,789 | | | |
| 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 | | | |
| | | | | | | | | | | | | | | | |
| SURVEY DATA | 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 | | |
| | Aug 1, 1964 | | 601.0 | | 57.8 | | 1.15 | | 601.0 | | 57.8 | | 1.15 | | |
| | 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. AN. | | b. TOT. TO DATE | | a. PERIOD | | b. TOT. TO DATE | | | |
| Aug 1, 1964 | | 67.0 | | 1678 | | 1678 | | .27 | | 2.81 | | - | | - | |

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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/ from USGS Unity, Md. stream gage

48. AGENCY MAKING SURVEY **Md. Watershed Planning Party, SCS, USDA**

49. AGENCY SUPPLYING DATA **SCS, USDA**

50. DATE August 1964