

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

M. C. CRAIN FARM POND #2

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

13-3

DATA SHEET NO.

| | | | | | | | | | | | | | | | | |
|--------------------|---|--|--|---------------------------------|---|--|--|------|-----------------------------------|------|-----------------------------|---|------------------------|---|-----------------------------------|--|
| DAM | 1. OWNER M. C. Crain | | | 2. STREAM Bogue Lusa Creek | | | 3. STATE Louisiana | | | | | | | | | |
| | 4. SEC. 33 TWP. T2S RANGE A12E | | | 5. NEAREST TOWN Bogalusa | | | 6. COUNTY Washington | | | | | | | | | |
| | 7. STREAM BED ELEVATION 190.85' * | | | 8. TOP OF DAM ELEVATION 202.35* | | | 9. SPILLWAY CREST ELEV.198.35'* | | | | | | | | | |
| 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 | | | | | | | | | | 8-29-49 | | | | | |
| | b. FLOOD CONTROL | | | | | | | | | | | | | | | |
| | c. POWER | | | | | | | | | | | | | | | |
| | d. WATER SUPPLY | | 198.35 * | | 1.649 | | 7.631 | | 7.631 | | 16. DATE NORMAL OPER. BEGAN | | | | | |
| | e. IRRIGATION | | | | | | | | | | | | | | | |
| | f. CONSERVATION | | | | | | | | | | | | | | | |
| | g. SEDIMENT | | | | | | | | | | 8-29-49 | | | | | |
| | h. INACTIVE | | | | | | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR 0.13 MILES | | | | AV. WIDTH OF RESERVOIR MILES | | | | | | | | | | | |
| | 18. TOTAL DRAINAGE AREA 0.13 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION 62 INCHES | | | | | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 0.13 SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF 25 INCHES | | | | | | | | | | | |
| | 20. LENGTH MILES | | AV. WIDTH MILES | | 24. MEAN ANNUAL RUNOFF 175 AC.-FT. | | | | | | | | | | | |
| | 21. MAX. ELEV. | | MIN. ELEV. | | 25. CLIMATIC CLASSIFICATION Perhumid | | | | | | | | | | | |
| 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. | |
| | 8-29-49 5-15-63 | | 13.5 | | 13.5 | | Contour (D) | | Cont. Int. = 1' | | 1.649 | | 7.631 6.963 | | 58.70 53.56 | |
| | 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 | | | |
| | - | | - | | - | | - | | - | | - | | - | | | |
| | 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 | | | |
| | 5-15-63 | | 0.668 | | 0.049 | | 0.377 | | 0.668 | | 0.049 | | 0.377 | | | |
| | 26. DATE OF SURVEY | | 39. AV. DRY WGT. LBS. PER CU. FT. | | 40. SED. DEP. TONS PERSQ. 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 | |
| 5-15-63 | | | | | | | | 0.65 | | 8.75 | | - | | - | | |

* - Assumed

| | | | | | | | | | | | | |
|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|
| 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. 1963 CAPACITY | | | ELEVATION-AREA-CAPACITY DATA | | | | | |
|-------------------|-------|----------|------------------------------|-------|----------|-----------|-------|----------|
| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
| 188 | 0.066 | 0.022 | 196 | 1.015 | 3.899 | 191 | 0.360 | 0.840 |
| 189 | 0.143 | 0.123 | 197 | 1.245 | 5.026 | 192 | 0.520 | 1.277 |
| 190 | 0.202 | 0.294 | 198 | 1.530 | 6.410 | 193 | 0.670 | 1.870 |
| 191 | 0.274 | 0.531 | 198.35 | 1.649 | 6.963 | 194 | 0.848 | 2.627 |
| 192 | 0.389 | 0.861 | ORIGINAL CAPACITY | | | 195 | 1.012 | 3.555 |
| 193 | 0.592 | 1.348 | 187 | 0.065 | 0.022 | 196 | 1.015 | 4.567 |
| 194 | 0.833 | 2.056 | 188 | 0.140 | 0.122 | 197 | 1.245 | 5.694 |
| | | | 189 | 0.207 | 0.294 | 198 | 1.530 | 7.078 |
| | | | 190 | 0.265 | 0.529 | 198.35 | 1.649 | 7.631 |

47. REMARKS AND REFERENCES

48. AGENCY MAKING SURVEY Soil Conservation Service
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE May 15, 1963