

RESERVOIR SEDIMENTATION
DATA SUMMARY

Muncrief Farm Pond
NAME OF RESERVOIR

50 - 25
DATA SHEET NO.

DAM	1. OWNER Mrs. Muncrief			2. RIVER Trib. to Sandy Cr.		3. STATE Oklahoma		
	4. SEC. 32 TWP. 3N RANGE 3E			5. NEAREST TOWN Wynnewood		6. COUNTY Garvin		
	7. STREAM BED ELEV. 1/ 83.6			8. TOP OF DAM ELEV. 1/ 105		9. SPILLWAY CREST ELEV. 100.0		
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					Aug. 15, 1935		
	b. POWER							
	c. WATER SUPPLY	1/ 100.0	1.28		8.71	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION					Aug. 15, 1955		
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.083 MILES			AV. WIDTH OF RESERVOIR 0.024 MILES				
	18. TOTAL DRAINAGE AREA 0.031 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 36.50 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.029 SQ. MI.			23. MEAN ANNUAL RUNOFF 4.21 INCHES				
	20. LENGTH 0.256 MILES AV. WIDTH 0.12 MILES			24. MEAN ANNUAL RUNOFF 224.52 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.
	Nov. 2, 1957	22.22	22.22	Det. Range	4	1.28	8.710 2/ 7.968	280.97 257.03
	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	
	Nov. 2, 1957	0.742	0.0334	1.15	0.742	0.0334	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 P PM	
			a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
Nov. 2, 1957	1/ 60.0	1502.82	1502.82	00.38	08.52	-	-	

1/ Estimated or assumed.
2/ Present capacity.

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
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															
<p>Land Use, native pasture = 100 percent C/I ratio = (280.97 = 1.25); (257.03 = 1.14) Est. trap efficiency = 85 percent. Sed. deposits adjusted for T.E. = 1.35 acre feet square mile/year Geology: Garber-Wellington formation of the lower permian age.</p>															
48. AGENCY SUPPLYING DATA				Soil Conservation Service Stillwater, Oklahoma			49. DATE		July 24, 1958						