

RESERVOIR SEDIMENTATION
DATA SUMMARY

Stickley Pond No. 6
NAME OF RESERVOIR

50 - 39
DATA SHEET NO.

DAM	1. OWNER Houston Stickley			2. RIVER Canadian R.			3. STATE Texas					
	4. SEC. 3/ TWP. RANGE			5. NEAREST TOWN Canadian			6. COUNTY Hemphill					
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV. 105.00			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								254.43		Oct. 1, 1945	
	b. POWER		100.00 2/		3.399							
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION											
	e. CONSERVATION										Oct. 1, 1945	
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.308 1/ MILES				AV. WIDTH OF RESERVOIR 0.016 MILES							
	18. TOTAL DRAINAGE AREA 0.162 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 24.40 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.162 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.90 INCHES							
	20. LENGTH 0.655 MILES		AV. WIDTH 0.247 MILES		24. MEAN ANNUAL RUNOFF 47.997 AC.-FT.							
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION subhumid							
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.	
	10-1-45		-	-	Detail	-	3.399		21.035		129.85	
	4-24-58		12.564	12.564	Range	8	3.399		16.627		102.64	
	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			
	10-1-45		-	-	-		-	-	-			
	4-24-58		4.408	0.351	2.167		4.408	0.351	2.167			
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					
10-1-45		-	-	-	-	-	-	-				
4-24-58		85.34	4027.81	4027.81	1.67	20.96						

1/ Includes 0.085 miles, 1 side arm of pond.

2/ Assumed. 3/ Sec. 245, Maddox Bros & Anderson, Block C, survey

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

C/I Ratio = (129.85) = 2.71 Est. trap efficiency = 98%.

48. AGENCY SUPPLYING DATA Soil Conservation Service

49. DATE **Nov. 13, 1958**