## RESERVOIR SEDIMENTATION DATA SUMMARY

## Wilson Reservoir

NAME OF RESERVOIR

45-2 DATA SHEET NO.

	DATA SUM	MAILI				OF RESE			DATA SHEET NO.			
Σ	LOWNER City	2. RIV	ER Wils	on C	reek	3. STATE Arkansas						
DA	4 SEC2 & 11 TWP. 15 N RANGE 30			5. NE	5. NEAREST TOWN Fayettevi				ashington			
L	7. STREAM BED ELEV.				OF DAM E	LEV.	50 <b>*</b>		ST ELEV. 40.5*			
	STORAGE ALLOCATION	TOP	H. ELEVATION TOP OF POOL		SURFACE AREA ACRES		STORAGE CRE – FEET	ACCUMULATED	DATE STORAGE BEGAN			
œ	d. FLOOD CONTROL						· · · · · · · · · · · · · · · · · · ·					
RVOIR	b. POWER								Oct. 1930			
ER	C. WATER SUPPLY	40	•5 <b>*</b>	2	8.8		522	522	DATE NORMAL			
ES	d. IRRIGATION								OPER. BEGAN			
~	8. CONSERVATION								0-4 7020			
	f. INACTIVE								Oct. 1930			
L	17. LENGTH OF RESERVOIR						DTH OF RESER		MILES			
ED	18. TOTAL DRAINAGE AREA			2.35 sq. Mi.			AN ANNUAL PE	RECIPITATION 41.	TATION 41.4 (3) INCHES			
ERSHED	19. NET SEDIMENT		•30			AN ANNUAL R		INCHES				
TE	20. LENGTH	MILE	S AV. WIDTH	1	MILES	24. MEAN ANNUAL RUNOFF AG-F						
WAT	<sup>21.</sup> MAX. ELEV.		MIN. ELE				IMATIC CLASSI		iid			
	26. DATE OF	PERIOD 21			30, NO. OF RA		31. SURFAGE	32. CAPACITY	33. C/W RATIO			
.	SURVEY	YEARS	YEARS	SURVEY	OR CONTO	UR INT.	AREA ACRE	S ACRE-FEET	AC-FT. PER SQ.MI.			
	Oct. 1930 - June 1940 9.75		- 9.75 R	- econ.	- 36 mea	28.8 28.8		522 517	222 220			
	26. DATE 05	34.			35. PERIOD WATER INF			7 36, WATER INI	L. TO DATE AG-FT.			
]	DATE OF SURVEY	PRECIPITATIO			b. MAX. AN		C. PERIOD TOT		L. TO DATE AU-F I.			
							101	TE WEAT ANTION	TOTAL TO DATE			
DATA												
	26. DATE OF	37. PERIOD	SEDIMENT	DEPOSI	TS ACRE-				DATE ACRE-FEET.			
Ä.	SURVEY	VEY a. PERIOD TOTA		NNUAL	C.PER SQ.MI	I-YEAR TOTAL TO DATE		TE b. AV. ANNUAL	C.PER SQ.MI-YEAR			
SURVEY	June 1940	5 <b>.1</b> 2	0	0.52		3	5.12	0.52	0.23			
J			DEP TONS	PER SQ.M	L-YP	4LSTORAGE	LOSS BOT 42.55	D. INFLOW PPM				
ŀ	26. DATE OF	39. AV DOV W.	LBS. PER CU.FT. a. PERI						D. INFLOW PPM			
ŀ	26. DATE OF SURVEY	AV. DRY WGT LBS. PER CU.	T a. PEI	RIOD	b. TOTAL TO	DATE	O AV ANNUAL I	TOT TO DATE O. DE	RIOD D. TO DATE			
-	DATE OF	39. AV. DRY WGT LBS. PER CU.F	T, a. PEI	RIOD	b TOTAL TO	DATE	O.10	0.98	RIOD B. TOT. TO DATE			

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PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION  A** REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGH OF RESERVOIR  O-ID   10-20   20-20   30-40   40-30   50-60   50-70   70-80   80-90   800-100   -105   -110   -115   -120   -12    PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION  RANGE IN RESERVOIR OPERATION  WATER YEAR MAX.ELEV MIN.ELEV. INFLOW AC-FT WATER YEAR MAX.ELEV. MIN.ELEV. INFLOW AC-F  ELEVATION AREA CAPACITY ELEVATION AREA CAPACITY ELEVATION AREA CAPACITY  REMARKS AND REFERENCES  The sediment is a light grayish brown fine textured material. In the upper																
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it is a gray to brown silty clay loam to silt loam with some sand.

Region 4, Soil Conservation Service U. S. Dept. of Agriculture 48. AGENCY SUPPLYING DATA Fort Worth, Texas

49 DATE January 1951