RESERVOIR SEDIMENTATION

Roe Farm Pond

35-24 a

120	DATA SUMM			1	NAME ( Unnamed	FRESER	evoir outarv		DA	TA SHEET NO.	
	I OWNER Ant	Roe			R of Tu			3. STATE	Nebraska		
	* SEC N 1/4 T2	5. NEAR	REST TOW	V Dar	nebrog 6. COUNTY How			ard			
	7. STREAM BED ELE	B. TOP	OF DAM E		9. SPILLWAY CRES						
	STORAGE ALLOCATION				FACE ACRES	1	STORAGE RE – FEET		ACCUMULATED IS. ACRE-FEET		
	G. FLOOD CONTRO	L								Aug. 1948	
8	b. POWER										
RVOI	C. WATER SUPPLY								11	16. DATE NORMAL	
SE	d. IRRIGATION									OPER. BEGAN	
묎	6. CONSERVATION	Orig	inal ca	pacit	v was n	ot co	mputed,		A		
Ì	f. INACTIVE					ar 1 A.F.					
	17. LENGTH OF RESERVOIR 2501				NADXBES	AV. WID					
9	IB. TOTAL DRAINAG		SQ. MI.	22. ME	AN ANNUAL PR	ECIPITATION 2/ 23.42 (571) CHES					
WATERSHED	19. NET SEDIMENT	8	SQ. MI.	23. ME	AN ANNUAL RI	AL RUNOFF 1.00 1					
	20. LENGTH 0.5 MILES AV. WIDTH				MILES	24. ME	AN ANNUAL RI	RUNOFF 9.6 ACF			
ΜĀ	21. MAX. ELEV.	MIN. ELEV.			25. GLI	MATIC CLASSIFICATION Sub-humid					
			CCL. 29. TYPE OF 30. NO. OF			ANGES	31. SURFACE	32. CAPA		33. CW RATIO	
	SURVEY	YEARS YE	I .			UR INT.	AREA ACRE	S AGRE-		AC-FT. PER SQ.M	
ļ	Jul. 1947 -		-	_	33 (M)		***		1.0	5.6	
	Aug.1953	5	5 Recon				0.29		0.643		
	5									3.6	
									.		
	26. DATE OF	35. PERIOD WATER INFLOW				ACRE-FEET 36. WATER IN			FL. TO DATE AG-FT		
	SURVEY	PRECIPITATION	a. MEAN A	<sup>a.</sup> MEAN ANNUAL		NUAL	C.PERIOD TOT	AL G MEAN	ANNUAL I	b. TOTAL TO DATE	
									ļ		
	A 1052	22.46 2/	•							_	
	Aug.1953	22.40	_		-		_	_		_	
V											
DATA		T-=	1		<u> </u>	<del></del>	38		DATE ACRESES		
I . I	26. DATE OF			IT DEPOSITS ACRE-FEET			TOTAL SE	D. DEPOSIT	b. AV. ANNUAL C.F		
SURVEY	SURVEY	O. PERIOD TOTAL	D. AV. AN	D. AV. ANNUAL		MIYEAR	TOTAL TO DA	ATE AV. AN	INUAL	C.PER SQ.MI-YEAR	
2			İ								
S	Aug.1953	0.357	0.071		0.39		0.357	0.0	0.071		
										0.39	
ļ		}									
	26.	139	40,655.5	ED TON	C DEP CO	MI_VP	4LSTORAGE	42.SED 1	ED. INFLOW PPM		
	DATE OF	AV, DR I WOI.		DEP. TONS PER SQ.				b. TOT. TO DATE D. PER		- IL	
	SURVEY	LBS, PER GO, FT	a. PERIOD		b. TOTAL TO DATE		64. GRIDAL	101, 10 PAIL	1 21110	10111004	
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		(PM	/ PM = -		_			75 5			
-	.ing.1953 65*		55	55	2	7.1	35•7	_			
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26.	43.	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION												
DATE OF	<u> </u>		T					T	1					
SURVEY		 P:	FRCENT	OF TOI	AL SE	DIMEN	T LOC	ATED	WITHIN	DEPTH	DESIGN	ATION		
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26.	44.	REACH	l DESIGN	JATION	PERCE	NT OF	TOTAL	ORI	GINAL I	FNGH	OF RES	FRVOIR		
DATE OF	0-10	10 -20 20												-125
SURVEY	0-10				<del></del> ,	L	L	1		l			120	120
		PEI	RCENT	F TOTA	L SEDI	MENT	LOCA	TED V	WITHIN	REACH	DESIGN	ATION		
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45.			F	RANGE			ROPE	RATIO	N					
WATER YEA	R MAX.	ELEV.	MIN. ELE	V. INFLO	W ACF	T. WAT	ER YEA	IR I	MAX. ELE	V. N	IN. ELEV.	INFLO	V AC	C F T.
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46.			E	LEVATI	ON-AR	EA-CA	APACIT	Y DA	TΑ					
ELEVATION	AREA	CAPAC	CITY E	LEVATION	A	REA	CAP	ACITY	ELEV	ATION	AREA	C#	PAG	ITY
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47. DEMARK	S AND RE	FEDENIA												
REMIARI														
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1/ Mean annual runoff - Colby & Oltman.
2/ Annual precipitation - Loup City Rainfall Record.
3/ Since the spillway was washed considerably on this structure, the original capacity was not computed.

SCS, Lincoln, Nebraska 48. AGENCY SUPPLYING DATA

49. DATE Dec. 7, 1954

ed dry wt. of one cubic-foot of silt.