SOIL CONSERVATION SERVICE

## RESERVOIR SEDIMENTATION DATA SUMMARY

Elkins Stock Pond No. 2

37 - 2 DATA SHEET NO.

	DATA SUMI				NAME (	7F 4E36	LAVOIR				DATA	SHEET NO.	
Σ		llt Elkins					r.	3. STATE South Dakota					
4	·		6N RANGE 26E		AREST TOW					y Stan			
_	7. STREAM BED EL	EV. ()3F	O#-		OF DAM E	-EV. 11*			9. SPILLW	AY CREST	ELEV. 6#		
	IO. STORAGE ALLOCATION	TOP OF	ELEVATION TOP OF POOL		SURFACE AREA ACRES		STORAGE ACRE - FEET		ACCUMULATED ACRE-FEET		DATE STORAGE BEGAN		
RVOIR	d. FLOOD CONTRI	OL										ay 1911	
SE	c. WATER SUPPLY								···		DATE NORMAL		
	CONSERVATION  f. INACTIVE	6		1.41			4.34		4.34		May 191		
L	17. LENGTH OF RE				A	DT:: AF TTAG		· · · · · · · · · · · · · · · · · · ·	<u> </u>	·			
	18. TOTAL DRAINAG	0.33			DTH OF RESERVOIR					MILES			
	19. NET SEDIMENT					22. MEAN ANNUAL PRECIPITATION					16.99 INCHES		
82 F	20. LENGTH				23. MEAN ANNUAL RUNOFF					INCHES			
Ā	21. MAX. ELEV.			MILES	24. MEAN ANNUAL RUNOFF 25. CLIMATIC CLASSIFICATION Sen					ACFT.			
_	9.6	. 1	MIN. ELEV.		130.	·	14.		Semi-				
	DATE OF SURVEY		II	YPE OF	OR CONTO		31. SURFACE AREA ACRES		32. CAPACITY AGRE-FEET		33. C/W RATIO AC-FT. PER SQ.N		
	May 1911	-	-	-	_		1.41		4.34		13.2		
	<b>J</b> une 1937	26.0 2	6.0 Contour detaile		1	•	1.26		3.18		9.64		
ł	26.	34.	35. PERIOD WATER INF			LOW ACRE-EFET			36. 1414-		<u> </u>		
	DATE OF SURVEY	PRECIPITATION			b. MAX. AN				MEAN ANNUAL		b. TOTAL TO DATE		
						NOAL	, exiod to			ANNUAL	10	TAL TO DATE	
DATA													
	26. DATE OF	DIMENT D	EPOSI	TS ACRE-	FEET	30. TOTAL S	ED. I	DEPOSIT	S TO DA	TE ACRE-FEET.			
֓֞֡֓֞֞֓֓֓֓֓֓֓֓֡֓֡֓֓֓֡֓֡֡֡	SURVEY G. PERIOD TOTAL		b. AV. ANN	IUAL	C.PER SQ.MI		EAR TOTAL TO DATE		TE		C.PER SQ.MIYEAR		
SURVEY	June 1937	1.16	0.045		0.136		1.16		0.045		0.136		
	26. DATE OF	39. AV, DRY WGT.	AV. DRY WGT. 40. SED. DEP		P. TONS PER SQ.MIYR		. 4LSTORAGE LOS		SS PCT. 42 SED.		INFLOW PPM		
	SURVEY	LBS. PER CU.FT.	a. PERIC	00	b. TOTAL TO	DATE			TOT. TO DATE a. PERIO			TOT. TO DATE	
	June 1937	36.6 (4)	108		108	:	1.03 2		26.73				
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26.	43.	DEP	TH DES	IGNATIO	N RANG	EINFE	ET ABO	OVE,AN	ID BELO	OW, CR	EST E	LEVAT	ION	
DATE OF					1					_				
SURVEY		PE	RCENT	OF TOT	AL SE	DIMENT	LOCA	TED W	ITHIN C	EPTH	DESIG	NATIC	N	
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SURVEY	0-10 10			40 40-50						-105	-110	-115		-125
		PER	CENT	OF TOTA	L SEDI	MENT	LOCAT	ED WIT	THIN R	EACH	DESIG	INATIO	ON .	
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45.				RANGE	IN RES	ERVOIR	OPER	ATION						
WATER YEA	R MAX. E	LEV.	MIN. ELE		OW ACI	<del></del>		~~~ <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	X. ELEV.	M	IN. ELE	V. INF	LOW A	C F T.
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47. REMARK	S AND REE	FRENC	FS.		<u> </u>									
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Connaughton, Mark P. Advance report on the sedimentation survey of Hayes Lake, Hayes, South Dakota. U. S. Soil Conservation Service. SCS-SS-20, 28 pp., illus., processed. Washington, D. C. July 1938.

0.66 acre foot of sediment deposited is result of one storm in June 1937.

Region 5, Soil Conservation Service

U. S. Dept. of Agriculture

48. AGENCY SUPPLYING DATA Lincoln, Nebraska

49 DATE July 12, 1951