U.S. DEPARTMENT OF AGRICULTURE

Bloomfield

SOIL CONSERVATION SERVICE 25-16

RESERVOIR SEDIMENTATION
DATA SUMMARY

NAME OF RESERVOIR

DATA SHEET NO.

	DATA SUMM	ARY		NAME (OF RESERVOIR		DATA SHEE	T NO.	
Ę	OWNER City	of Bloomfi	eld ^{2.} Ri		ione	3. STATE	3. STATE IOWA		
DAM	- SEC. 23 TWP.69 N RANGE 14 W			AREST TOW	N Bloomfield	6. COUNTY			
Ľ	7-STREAM BED ELEV. O assumed			P OF DAM E	LEV. 39	9. SPILLWAY	WAY CREST ELEV. 33		
т ш	STORAGE ALLOCATION	H. ELEVATI			STORAGE ACRE – FEET	AGCUMUL AGRE-	ATED DATE ST		
	b. POWER	L					Sept.	1937	
	c. WATER SUPPLY		73	.7	896	896		NORMAL BEGAN	
	e. CONSERVATION f. INACTIVE						1938	3	
	17. LENGTH OF RES	ERVOIR 0.97		MILES	AV. WIDTH OF RES	FRYOIR	094	MILES	
	IB. TOTAL DRAINAGE		~ ·		22. MEAN ANNUAL		**************************************		
ERSHE	19. NET SEDIMENT C		EA2.13				UNOFF Est. 112 INCHES		
K	20. LENGTH 2		AV. WIDTH 1						
WAT	21. MAX. ELEV.		VIN. ELEV.		25. CLIMATIC CLAS	MEAN ANNUAL RUNOFF Est. 600			
5				30.			Humid		
	SURVEY	PERIOD YEARS YE	CCL. 29, TYPE OF ARS SURVEY	OR CONTO	ANGES 31. SURFAC UR INT. AREA AC	E 32. CAPA	ACITY 33. C/W RATIO		
ł	Sept. 1937	- -			73.7	89	6 398	398	
DATA	25 Sept. 51	14.0 14.	O Range ()	O Range (D) 20		83:	360	369	
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER G. MEAN ANNUAL b. MAX.					INFL. TO DATE AC-FT.	
2	26. DATE OF	37. PERIOD SE	DIMENT DEPOS	ITS ACRE-	FEET 38. TOTAL S	SED. DEPOSITS	TO DATE ACR	TE ACRE-FEET	
ĺ	SURVEY	PERIOD TOTAL			··-·			C.PER SQ.MIYEAR	
SUR	25 Sept.1951	64.59	4.61	2.10	6 64.59	4.6		2.16	
			10						
	26. DATE OF	39. AV. DRY WGT.	40. SED. DEP. TON				42 SED. INFLOW	INFLOW PPM	
1	SURVEY	LBS. PER CU.FT.	a. PERIOD	b. TOTAL TO	DATE ANNUAL	b. TOT. TO DATE	D. PERIOD D. TOT.	TO DATE	
	25 Sept.1951 (. 60 assumed)	2,823	2,823	0.515	7.21	-	-	

^{1/} C/I ratio estimated to be 0.66 in 1937 and 0.62 in 1951. Trap efficiency estimated at 96% up to 1951.

26.	43.	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION									
DATE OF							1				
SURVEY	 	PERCE	NT OF TO	TAL SED	IMENT	LOCATE	D WITH	IIN DEPT	H DESIGNA	TION	
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26.	44.	REACH DE	SIGNATION	PERCEN	T OF T	OTAL O	RIGINA	L LENGH	OF RESE	RVOIR	
DATE OF	0-10 10	-20 20-30								-115 -120 -	
SURVEY	0 10 110								DESIGNA	TION	
		PERCEN	IT OF TOTA	AL SEDIM	ENIL	OCATEL	WIIN	TEACE	TUESIGNA	TION	
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45.			PANGE	IN RESE	RVOIR	OPERAT	ION	<u> </u>			
WATER VEAR	T HAY E	EV MIN		OW ACF1	_		MAX. E	TEV	MIN. ELEV.	INFLOW AC-	
WATER YEAR	MAX, E	LEV. IMIN.	ELEV. IIVI	.OW AU	WAIL	IL ILAN	max. u			101 201 101	
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46.			FLEVAT	ION-ARE	0-00		ΔΤΛ				
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ELEVATION	AREA	CAPACITY	ELEVATIO	N AR	EA	CAPACIT	YE	LEVATION	AREA	CAPACIT	
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^{47.} REMARKS	AND REF	ERENCES									
m-⊥-1	lood o	etimeted	to be 2 '	aso ton	s/sa.	mi./vr	_				