

RESERVOIR SEDIMENT  
DATA SUMMARY  
SCS-34 Rev. 6-62

Wold Farm Pond  
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

27-11

DATA SHEET NO.

DAM	1. OWNER <b>Vernon Wold</b>		2. STREAM <b>unnamed tributary to Crooked Creek</b>		3. STATE <b>Minnesota</b>			
	4. SEC. <b>21</b> TWP. <b>101N</b> RANGE <b>7W</b>		5. NEAREST TOWN <b>Spring Grove</b>		6. COUNTY <b>Houston</b>			
	7. STREAM BED ELEVATION <b>90.4</b>		8. TOP OF DAM ELEVATION <b>106.5</b>		9. SPILLWAY CREST ELEV. <b>105.0</b>			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA ACRES	13. ORIGINAL CAPACITY ACRE-FEET	14. GROSS STORAGE ACRE-FEET	15. DATE STORAGE BEGAN		
	a. MULTIPLE USE					Aug. 1954		
	b. FLOOD CONTROL	105.0	2.14	6.98	10.50			
	c. POWER							
	d. WATER SUPPLY	100.0	0.66	3.52	3.52	16. DATE NORMAL OPER. BEGAN  Aug. 1954		
	e. IRRIGATION							
	f. CONSERVATION							
	g. SEDIMENT							
	h. INACTIVE							
17. LENGTH OF RESERVOIR			0.04 MILES	AV. WIDTH OF RESERVOIR		0.08 MILES		
WATERSHED	18. TOTAL DRAINAGE AREA		0.194 SQ. MI.	22. MEAN ANNUAL PRECIPITATION		*30.5 INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		0.193 SQ. MI.	23. MEAN ANNUAL RUNOFF		*6.5 INCHES		
	20. LENGTH	MILES	AV. WIDTH	MILES	24. MEAN ANNUAL RUNOFF		67 AC.-F.T.	
	21. MAX. ELEV.	MIN. ELEV.		25. CLIMATIC CLASSIFICATION			Sub-humid	
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.
	Aug. 1954	-	-	-	-	2.14	10.50	54.4
	Jan. 1962	7.3	7.3	range detailed	9	2.14	10.03	51.97
	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	
	Jan. 1962	0.470	0.064	0.331	0.470	0.064	0.331	
	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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
Jan. 1962	51.86 (3)	374	374	0.61	4.48	-	-	

\* Estimated

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		Watershed Land Use - Average For Survey Period							
Land Capability Unit		Average Slope		Slope Length		Conservation Practice			
(Class)	(Acres)	(Percent)	(Feet)	(None)	(Contour Strip)	(Terrace)			
II	58	3	300	45	3	10			
III	45	9	250	19	7	19			
IV	2	14	200	-	-	2			
Total 105 acres; measured rate of sediment production, adjusted for trap efficiency 549 tons/sq.mi./yr. - Adjusted for subnormal runoff for survey period-915 tons/sq.mi./yr. Estimated source of sediment: cropland 90%, other 10% - Topography-undulating, non-glaciated (Driftless area)									
48. AGENCY MAKING SURVEY									
49. AGENCY SUPPLYING DATA				SCS, Milwaukee, Wisconsin			50. DATE		Dec. 5, 1962