

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

Niles Wallace Pond  
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

35- 50  
DATA SHEET NO.

<b>DAM</b>	1. OWNER <u>Niles Wallace</u>			2. STREAM <u>Platte</u>			3. STATE <u>Nebraska</u>								
	4. SEC. <u>11</u> TWP. <u>12N</u> RANGE <u>23W</u>			5. NEAREST TOWN <u>Cozad</u>			6. COUNTY <u>Dawson</u>								
	7. STREAM BED ELEVATION <u>89.46</u>			8. TOP OF DAM ELEVATION <u>104.30</u>			9. SPILLWAY CREST ELEV. <u>100.00*</u>								
<b>RESERVOIR</b>	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										1939				
	b. FLOOD CONTROL														
	c. POWER														
	d. WATER SUPPLY		<u>94.46*</u>		<u>.99</u>		<u>1.61</u>		<u>1.61</u>						
	e. IRRIGATION										1939				
	f. CONSERVATION														
	g. SEDIMENT														
	h. INACTIVE		<u>100.00</u>												
17. LENGTH OF RESERVOIR					<u>0.220</u> MILES		AV. WIDTH OF RESERVOIR					<u>0.007</u> MILES			
<b>WATERSHED</b>	18. TOTAL DRAINAGE AREA				<u>0.81</u> SQ. MI.		22. MEAN ANNUAL PRECIPITATION						INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA				<u>0.81</u> SQ. MI.		23. MEAN ANNUAL RUNOFF						INCHES		
	20. LENGTH <u>1.52</u> MILES		AV. WIDTH <u>0.53</u> MILES		24. MEAN ANNUAL RUNOFF						AC.-FT.				
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION								
	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.
<u>39</u>		<u>0</u>		<u>0</u>		<u>Range</u>		<u>7</u>		<u>0.99</u>		<u>1.61</u>		<u>1.99</u>	
<u>9-29-64</u>		<u>25</u>		<u>25</u>		<u>Range</u>		<u>7</u>		<u>0.99</u>		<u>.72</u>		<u>0.88</u>	
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			
<u>9-29-64</u>		<u>.90</u>		<u>.04</u>		<u>.05</u>		<u>.90</u>		<u>.04</u>		<u>.05</u>			
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			
<u>9-29-64</u>		<u>104</u>		<u>113.</u>		<u>113.</u>		<u>2.24</u>		<u>55.9</u>					

\* Elevation assumed.

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  
 Drainage is from rangeland.

48. AGENCY MAKING SURVEY  
 49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE 10-10-64