

**RESERVOIR SEDIMENTATION  
 DATA SUMMARY**

Peithman Reservoir  
 NAME OF RESERVOIR

32-13  
 DATA SHEET NO.

DAM	1. OWNER William Peithman			2. RIVER Trib of Little Blue		3. STATE Nebraska		
	4. LONG. LAT. RANGE			5. NEAREST TOWN Hubbell		6. COUNTY Thayer		
	7. STREAM BED ELEV. 86.4			8. TOP OF DAM ELEV. 103		9. SPILLWAY CREST ELEV. 100.0*		
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL					1950		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION	100	2.278	9.934	9.934	1950		
	f. INACTIVE							
17. LENGTH OF RESERVOIR 0.152 MILES				AV. WIDTH OF RESERVOIR 0.027 FEET				
WATERSHED	18. TOTAL DRAINAGE AREA (138 Ac)		0.216 SQ. MI.	22. MEAN ANNUAL PRECIPITATION 26.68 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA		0.212 SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES		
	20. LENGTH MILES		AV. WIDTH MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.		
	21. MAX. ELEV.		MIN. ELEV. 86.4		25. CLIMATIC CLASSIFICATION			
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.
	1950	0	0	-	-	2.278	9.934	45.99
	1958	8	8	Range Detailed	8	2.278	5.574	25.81
	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	
	1958	4.360	0.545	2.523	4.360	0.545	2.523	
		0.439 1/	0.055	0.255	0.439	0.055	0.255	
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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
Aug. 1958	65 2/	3572	3572	5.5	43.9			
		361 1/	361					

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

48. AGENCY SUPPLYING DATA Soil Conservation Service

49. DATE Aug. 1958