

RESERVOIR SEDIMENT  
SUMMARY

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Thomas Tank II  
NAME OF RESERVOIR

61-8

DATA SHEET NO.

DAM	1. OWNER <b>Bev Thomas</b>				2. STREAM <b>Trib. Perkins Spr. Draw</b>		STATE <b>Arizona</b>								
	4. SEC. <b>6</b> TWP. <b>11N</b> RANGE <b>20E</b>			5. NEAREST P.O. <b>Clay Springs</b>		6. COUNTY <b>Navajo</b>									
	7. LAT. " " " "		" " " " " "		8. TOP OF DAM ELEVATION		9. SPILLWAY CREST ELEV. <b>90.2*1</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. FLOOD CONTROL										1964				
	b. MULTIPLE USE														
	c. POWER														
	d. WATER SUPPLY* <b>0</b>		<b>90.2 *1</b>		<b>.5</b>		<b>1.39</b>		<b>1.39</b>		16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION														
	f. CONSERVATION														
	g. INACTIVE														
17. LENGTH OF RESERVOIR <b>.051 *2</b>			MILES			AV. WIDTH OF RESERVOIR <b>.039</b>			MILES						
WATERSHED	18. TOTAL DRAINAGE AREA <b>.10</b>				SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>12.46</b>				INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA <b>.10</b>				SQ. MI.		23. MEAN ANNUAL RUNOFF <b>.5 *3</b>				INCHES				
	20. LENGTH <b>.3</b>		MILES		AV. WIDTH <b>.3</b>		MILES		24. MEAN ANNUAL RUNOFF <b>2.67 *3</b>				AC.-FT.		
	21. MAX. ELEV. <b>6370 *3</b>			MIN. ELEV. <b>6290 *3</b>			25. ANNUAL TEMP.: MEAN <b>49°F</b> RANGE <b>16-85°F *3</b>								
	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/I. RATIO, AC.-FT. PER AC.-FT.
June, 1964		--		--		--		--		.5		1.39		.52	
July 2, 1968		4		4		Range		7		.5		1.35		.50	
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			
July 2, 1968		12.46													
26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, 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			
July 2, 1968		.04		.01		.10		.04		.01		.10			
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM							
		a. PERIOD		b. TOTAL TO DATE		a. AV. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE			
July 2, 1968		89.3		194		194		.7		2.9					
SURVEY DATA															

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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
	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

- \*0 Stock water
- \*1 Assumed
- \*2 North arm 260'
- West arm 280'
- \*3 Estimated
- \*3 Arizona Climate - Pinedale, Arizona
- Land Use: 100% rangeland
- Geology : Quaternary-Tertiary sand, silt, and gravel.

48. AGENCY MAKING SURVEY Arizona Watershed Planning Party, Soil Conservation Service

49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE 7/16/68