

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Teller Reservoir

48 - 5

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER -			2. RIVER Turkey Creek			3. STATE Colorado					
	4. SEC. 36 TWP. 18S RANGE 66W			5. NEAREST TOWN Pueblo			6. COUNTY Pueblo, El Paso					
	7. STREAM BED ELEV. -			8. TOP OF DAM ELEV. -			9. SPILLWAY CREST ELEV. -					
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					March 1911						
	b. POWER											
	c. WATER SUPPLY											
	d. IRRIGATION		202	4,005	4,005	16. DATE NORMAL OPER. BEGAN						
	e. CONSERVATION											
	f. INACTIVE					March 1911						
WATERSHED	17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR					
	18. TOTAL DRAINAGE AREA				78.8		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 12 - 20			
	19. NET SEDIMENT CONTRIBUTING AREA				78.5		SQ. MI.		23. MEAN ANNUAL RUNOFF			
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF			
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Semi-arid							
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.				
	March 1911	-	-	-	-	202	4,005	50.8				
	Feb. 1940	28.9	28.9	Range detailed	11	199	2,463	31.3				
	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					
	Feb. 1940	1,542 (1,550) 1/	53.4 (53.6)	0.680 (0.683)	1,542 (1,550)	53.4 (53.6)	0.680 (0.683)					
	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				
Feb. 1940	75.4 (9)		1,117 (1,122)	1,117 (1,122)	1.33	38.50						

1/ Includes above-crest deposits

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

Sedimentation Section  
Soil Conservation Service  
U. S. Dept. of Agriculture  
Washington, D. C.

48. AGENCY SUPPLYING DATA

49. DATE July 10, 1951