

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Kenwood Reservoir  
NAME OF RESERVOIR

34 - 2  
DATA SHEET NO.

DAM	1. OWNER City of Denver			2. RIVER Cherry Creek			3. STATE Colorado				
	4. SEC. 1, 2, 3 TWP. 5S RANGE 67W			5. NEAREST TOWN Denver			6. COUNTY Arapahoe				
	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		597		9,802		9,802		March 1936		
	b. POWER										
	c. WATER SUPPLY								16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION										
	e. CONSERVATION										
	f. INACTIVE										
17. LENGTH OF RESERVOIR			1.63	MILES		17. AV. WIDTH OF RESERVOIR			MILES		
WATERSHED	18. TOTAL DRAINAGE AREA			387	SQ. MI.		22. MEAN ANNUAL PRECIPITATION			INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			386	SQ. MI.		23. MEAN ANNUAL RUNOFF			INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION				Semi-arid
	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 1936	-	-	-	-		597		9,802		25.3	
June 1938	2.25	2.25	Range detailed	11		597		9,710		25.1	
June 1939	1.00	3.25	"	11		597		9,424		24.4	
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		d. MEAN ANNUAL		e. 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		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR	
	June 1938		92	40.9	0.106		92		40.9		0.106
June 1939		286	286.0	0.741		378		116.3		0.301	
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	c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE
June 1938		75.6 (4)	175	175	0.42	0.94					
June 1939			1,220	496	1.19	3.86					

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 <u>July 10, 1951</u>					