

RESERVOIR SEDIMENT DATA SUMMARY

Franktown-Parker FP - B-1
NAME OF RESERVOIR

34 - 16
DATA SHEET NO.

DAM	1. OWNER Douglas County SCD			2. STREAM Baldwin Gulch			3. STATE Colorado									
	4. SEC. 14 TWP. 6 S. RANGE 66 W.			5. NEAREST P.O. Parker			6. COUNTY Douglas									
	7. LAT. 39° 32' 00" LONG. 104° 44' 45"			8. TOP OF DAM ELEVATION 262.5			9. SPILLWAY CREST ELEV. 258.5									
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		258.5		20.3		108.9		143.4		May 1962					
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN May 1962					
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION															
	f. CONSERVATION															
g. INACTIVE		251.3		8.9		34.5		34.5								
WATERSHED	17. LENGTH OF RESERVOIR				0.24 MILES				AV. WIDTH OF RESERVOIR				0.13 MILES			
	18. TOTAL DRAINAGE AREA				2.34 SQ. MI.				22. MEAN ANNUAL PRECIPITATION				18 INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA				2.31 SQ. MI.				23. MEAN ANNUAL RUNOFF				0.8 INCHES			
	20. LENGTH		2.1 MILES		AV. WIDTH		1.1 MILES		24. MEAN ANNUAL RUNOFF				99.8 AC.-FT.			
	21. MAX. ELEV.		6,300		MIN. ELEV.		5,960		25. ANNUAL TEMP.: MEAN 46 RANGE							
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/I. RATIO, AC.-FT. PER AC.-FT.	
	May 1962		-		-		-		-		20.3		143.4		1.44	
	April 1974		12		12		Range		13		20.3		141.1		1.41	
	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 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			
	April 1974		2.3		0.19		0.08		2.3		0.19		0.08			
	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. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE		
April 1974								0.13		1.60						

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	-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 MAKING SURVEY Soil Conservation Service															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
														50. DATE May 1974	