

RESERVOIR SEDIMENT DATA SUMMARY

Franktown-Parker FP - P-1
NAME OF RESERVOIR

34 - 17
DATA SHEET NO.

DAM	1. OWNER Douglas County SCD		2. STREAM Trib. of Cherry Ck.		3. STATE Colorado			
	4. SEC. 14 TWP. 6 S. RANGE 66 W.		5. NEAREST P. O. Parker		6. COUNTY Douglas			
	7. LAT. 39° 31' 25" LONG. 104° 45' 00"		8. TOP OF DAM ELEVATION 5945.3		9. SPILLWAY CREST ELEV. 5940.3			
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	5940.3	7.6	42.7	56.0	May 1962		
	b. MULTIPLE USE							
	c. POWER					16. DATE NORMAL OPER. BEGAN		
	d. WATER SUPPLY							
	e. IRRIGATION							
	f. CONSERVATION					May 1962		
g. INACTIVE 1/	5932.6	3.5	13.3	13.3				
WATERSHED	17. LENGTH OF RESERVOIR		0.17 MILES		AV. WIDTH OF RESERVOIR 0.07 MILES			
	18. TOTAL DRAINAGE AREA		0.68 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 18 INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA		0.67 SQ. MI.		23. MEAN ANNUAL RUNOFF 0.8 INCHES			
	20. LENGTH 1.8 MILES		AV. WIDTH 0.4 MILES		24. MEAN ANNUAL RUNOFF 29 AC.-FT.			
	21. MAX. ELEV. 6,220		MIN. ELEV. 5,940		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	-	-	-	-	7.6	56.0	1.9
	April 1974	12	12	Range	12	7.6	55.6	1.9
	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	0.43	0.04	0.05	0.43	0.04	0.05	
	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				0.06	0.77			

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 <u>May 1974</u>															