

RESERVOIR SEDIMENT DATA SUMMARY

Fort Carson Reservoir 1
NAME OF RESERVOIR

48 - 11
DATA SHEET NO.

DRAIN	1. OWNER Fort Carson			2. STREAM Trib Wild Horse Cree		3. STATE Colorado										
	4. SEC. 33 TWP. 18 S RANGE 66W			5. NEAREST P.O. Fort Carson		6. COUNTY Pueblo										
	7. LAT. 38° 26' 22" LONG. 104° 47' 05"			8. TOP OF DAM ELEVATION *100.0		9. SPILLWAY CREST ELEV. 94.5										
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										1960					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY		94.5		1.49		4.44		4.44		1960					
	e. IRRIGATION															
	f. CONSERVATION															
	g. INACTIVE															
17. LENGTH OF RESERVOIR		0.05		MILES		17. AV. WIDTH OF RESERVOIR		0.05		MILES						
18. TOTAL DRAINAGE AREA		0.37		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		11.5		INCHES						
19. NET SEDIMENT CONTRIBUTING AREA		0.37		SQ. MI.		23. MEAN ANNUAL RUNOFF		0.4		INCHES						
20. LENGTH		1.32		MILES		24. MEAN ANNUAL RUNOFF		8.0		AC.-FT.						
21. MAX. ELEV.		5800		MIN. ELEV.		5580		25. ANNUAL TEMP: MEAN 52° RANGE 10° - 100°+								
WATERSHED	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.	
	1960		-		-		-		-		1.49		4.44		0.6	
	June 1975		15		15		Range		9		1.49		3.24		0.4	
	October 1980		5.3		20.3		Range		12		1.49		2.75		0.3	
	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 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			
	June 1975		1.20		0.08		0.22		1.20		0.08		0.22			
October 1980		0.49		0.09		0.25		1.69		0.08		0.23				
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		
June 1975								1.8		27						
October 1980								1.9		38						

* Assumed Elevation

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						March 1981									