

RESERVOIR SEDIMENT DATA SUMMARY

Fort Carson, Reservoir 4
NAME OF RESERVOIR

48 - 14
DATA SHEET NO.

DAM	1. OWNER Fort Carson			2. STREAM Trib Wild Horse Creek			STATE Colorado						
	4. SEC. 26, 27 TWP. 18S RANGE 66W			5. NEAREST P.O. Fort Carson			6. COUNTY Pueblo						
	7. LAT. 38° 26' 47" LONG. 104° 44' 35"			8. TOP OF DAM ELEVATION *105.8			9. SPILLWAY CREST ELEV. 99.6						
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										1947		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY		99.6		1.10		2.98		2.98		16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION												
	f. CONSERVATION										1947		
	g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR 0.03 MILES				AV. WIDTH OF RESERVOIR 0.06 MILES								
	18. TOTAL DRAINAGE AREA 0.18 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 11 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 0.18 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.4 INCHES								
	20. LENGTH 0.96 MILES		AV. WIDTH 0.19 MILES		24. MEAN ANNUAL RUNOFF 4.0 AC.-FT.								
	21. MAX. ELEV. 5820		MIN. ELEV. 5590		25. ANNUAL TEMP.: MEAN 520 RANGE 100 - 1000+								
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.				
	1947		-	-	-	-	1.10	2.98	0.8				
	July 1975		28	28	Range	7	1.10	2.68	0.7				
	Dec. 1980		5.4	33.4	Range	7	1.10	2.68	0.7				
	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					
July 1975		0.30	0.011	0.061	0.30	0.011	0.061						
Dec. 1980		0.0	-	-	0.30	0.009	0.050						
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					
July 1975					0.4	10.0							
Dec. 1980					0.3	10.0							

*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

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Fort Carson, Reservoir 4(225-552)

NAME OF RESERVOIR

48-14a

DATA SHEET NO.

DAM	1. OWNER Fort Carson			2. STREAM Trib Wild Horse Crk		3. STATE Colorado						
	4. SEC. 26, 35 TWP. 18S. RANGE 66W.			5. NEAREST P.O. Fort Carson		6. COUNTY Pueblo						
	7. LAT 38° 26' 47" LONG. 104° 44' 35"			8. TOP OF DAM ELEVATION *105.8		9. SPILLWAY CREST ELEV. *99.6						
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										1947	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY		99.6		1.10		2.98				16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION										1947	
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.03 MILES				AV. WIDTH OF RESERVOIR 0.06 MILES							
	18. TOTAL DRAINAGE AREA 0.18 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 11 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.18 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.4 INCHES							
	20. LENGTH 0.96 MILES		AV. WIDTH 0.19 MILES		24. MEAN ANNUAL RUNOFF 3.8 AC.-FT.							
	21. MAX. ELEV. 5760		MIN. ELEV. 5590		25. ANNUAL TEMP. MEAN 52° 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.			
	July 1947				Range	7	1.10	2.98	0.8			
	July 1975		28	28	Range	7	1.10	2.68	0.7			
	Dec. 1980		5.4	33.4	Range	7	1.10	2.68	0.7			
	May 1985		4.5	37.9	Range	7	1.10	2.66	0.7			
	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				
July 1975		0.30	0.011	0.061	0.30	0.011	0.061					
Dec. 1980		0.00			0.30	0.009	0.050					
May 1985		0.02	0.004	0.025	0.32	0.008	0.047					
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					
July 1975					0.4	10.1						
Dec. 1980					0.3	10.1						
May 1985					0.3	10.7						

*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 April 1986