

RESERVOIR SEDIMENT  
DATA SUMMARY

CB-1

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Coalbank Creek Watershed

SCS-34 Rev. 6-66

NAME OF RESERVOIR

34-14

DATA SHEET NO.

DAM	1. OWNER <b>West Greeley SCD</b>			2. STREAM <b>Coalbank Creek</b>			3. STATE <b>Colorado</b>					
	4. SEC. <b>25</b> TWP. <b>8N</b> RANGE <b>67W</b>			5. NEAREST P. O. <b>Pierce</b>			6. COUNTY <b>Weld</b>					
	7. LAT. <b>40° 27' 30"</b> LONG. <b>104° 50' 00"</b>			8. TOP OF DAM ELEVATION <b>5172.2</b>			9. SPILLWAY CREST ELEV. <b>5167.2</b>					
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		<b>5167.2</b>		<b>140</b>		<b>1,785.3</b>		<b>2,147.4</b>		<b>June 1962</b>	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION											
g. INACTIVE		<b>5143.7</b>		<b>35</b>		<b>362.1</b>		<b>362.1</b>		<b>June 1962</b>		
17. LENGTH OF RESERVOIR <b>0.7</b> MILES					AV. WIDTH OF RESERVOIR <b>0.31</b> MILES							
WATERSHED	18. TOTAL DRAINAGE AREA <b>27.0</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>14</b> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <b>26.8</b> SQ. MI.				23. MEAN ANNUAL RUNOFF <b>0.4</b> INCHES							
	20. LENGTH <b>16.0</b> MILES		AV. WIDTH <b>1.7</b> MILES		24. MEAN ANNUAL RUNOFF <b>576</b> AC.-FT.							
	21. MAX. ELEV. <b>5,820</b>			MIN. ELEV. <b>5,170</b>			25. ANNUAL TEMP: MEAN <b>48</b> 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.			
	June 1962		-	-	-	-	140	2,147.4	3.7			
	Jan. 1971		9.	9.	Range	37	140	2,134.9	3.7			
	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				
	Jan. 1971		12.5	1.39	0.05	12.5	1.39	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			
Jan. 1971		-		-	-	0.065	0.58	-	-			

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															
The largest flood flow into the reservoir occurred on June 14, 1965, when water ponded in the reservoir up to about elevation 5140.5.															
48. AGENCY MAKING SURVEY Soil Conservation Service															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
50. DATE February 1972															