

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Rocky Ford Reservoir

66 - 3

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER <b>Delta Land &amp; Water Co.</b>			2. RIVER <b>Beaver River</b>			3. STATE <b>Utah</b>														
	4. SEC. <b>11</b> TWP. <b>30S</b> RANGE <b>9W</b>			5. NEAREST TOWN <b>Beaver</b>			6. COUNTY <b>Beaver</b>														
	7. STREAM BED ELEV. <b>-</b>			8. TOP OF DAM ELEV. <b>-</b>			9. SPILLWAY CREST ELEV. <b>-</b>														
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE- FEET		14. ACCUMULATED ACRE- FEET		15. DATE STORAGE BEGAN										
	a. FLOOD CONTROL										Feb. 1915										
	b. POWER																				
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN										
	d. IRRIGATION				1,129		23,260 1/		23,260												
	e. CONSERVATION																				
	f. INACTIVE																				
WATERSHED	17. LENGTH OF RESERVOIR						MILES			AV. WIDTH OF RESERVOIR			MILES								
	18. TOTAL DRAINAGE AREA						510			SQ. MI.			22. MEAN ANNUAL PRECIPITATION			INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA						508			SQ. MI.			23. MEAN ANNUAL RUNOFF			INCHES					
	20. LENGTH						MILES			AV. WIDTH			MILES			24. MEAN ANNUAL RUNOFF			AC.-FT.		
	21. MAX. ELEV.						MIN. ELEV.			25. CLIMATIC CLASSIFICATION						Semi-arid					
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/W RATIO AC.-FT. PER SQ. MI.						
	Feb. 1915		-		-		-		-		1,129		23,260		45.6						
	Nov. 1940		25.8		25.8		Range recon.		7		1,129		21,509		42.2						
	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		d. MEAN ANNUAL		e. TOTAL TO DATE							
	26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE- FEET						38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET.												
			a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR								
	Nov. 1940		1,751		67.9		0.134		1,751		67.9		0.134								
	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. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE							
Nov. 1940								0.29		7.53											

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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

1/ Surface water supply of the United States 1947, Part 10. The Great Basin, Geological Survey Water Supply Paper 1090, U. S. Gov't Printing Office, Washington, D. C. 1949.

Sedimentation Section  
Soil Conservation Service  
U. S. Dept. of Agriculture  
Washington, D. C.

48. AGENCY SUPPLYING DATA

49. DATE July 11, 1951