

RESERVOIR SEDIMENTATION
DATA SUMMARY

Booby Hole Reservoir
NAME OF RESERVOIR

66 - 1
DATA SHEET NO.

DAM	1. OWNER Cecil King			2. RIVER Boobyhole Creek			3. STATE Utah			
	4. SEC. 33 TWP. 25S RANGE 1E			5. NEAREST TOWN 8 Mi. NE Koosharem			6. COUNTY Sevier			
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.			
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					1865				
	b. POWER									
	c. WATER SUPPLY									
	d. IRRIGATION		47.7	607	607	16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION									
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR				MILES	AV. WIDTH OF RESERVOIR				MILES
	18. TOTAL DRAINAGE AREA			5	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			4.9	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					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.		
	1865	-	-	-	-	47.7	607	121		
	Oct. 1940	75	75	Recon.	35 meas.	47.7	598	120		
	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 SEDIMENT DEPOSITS 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			
	Oct. 1940	9	0.120	0.024	9	0.120	0.024			
	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		
Oct. 1940				0.02	1.5					

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														
		Sedimentation Section Soil Conservation Service U. S. Dept. of Agriculture Washington, D. C.														
48.		AGENCY SUPPLYING DATA										49. DATE <u>July 11, 1951</u>				