

RESERVOIR SEDIMENTATION
DATA SUMMARY

Piute

NAME OF RESERVOIR

66 - 8

DATA SHEET NO.

DAM	1. OWNER <u>Piute Reservoir Co.</u>			2. RIVER <u>Sevier</u>			3. STATE <u>Utah</u>														
	4. SEC. <u>3</u> TWP. <u>29S</u> RANGE <u>3W</u>			5. NEAREST TOWN <u>Marysville</u>			6. COUNTY <u>Piute</u>														
	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										Summer 1910										
	b. POWER																				
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN										
	d. IRRIGATION				2,800		81,200		81,200												
	e. CONSERVATION																				
	f. INACTIVE																				
17. LENGTH OF RESERVOIR						MILES			AV. WIDTH OF RESERVOIR			MILES									
WATERSHED	18. TOTAL DRAINAGE AREA						2,440			SQ. MI.			22. MEAN ANNUAL PRECIPITATION			INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA						2,436			SQ. MI.			23. MEAN ANNUAL RUNOFF			INCHES					
	20. LENGTH						MILES			AV. WIDTH			MILES			24. MEAN ANNUAL RUNOFF			AG.-FT.		
	21. MAX. ELEV.						MIN. ELEV.			25. CLIMATIC CLASSIFICATION						Semi-arid					
	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 AG.-FT. PER SQ. MI.						
1910 <u>1/</u>		-		-		-		-		2,800		81,200		33.3							
1938 <u>1/</u>		28		28		topo- graphic detailed		-		2,800		74,010		30.3							
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET						36. WATER INFL. TO DATE AG.-FT.											
				a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		d. 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		d. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR									
1938		7,190		257		0.106		7,190		257		0.106									
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									
1938						0.32		8.85													

SURVEY DATA

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/ Topographic survey made by State Engineer in 1908.
 Topographic survey made by. J. L. Ogden and W. C. Cole in 1938.

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

48. AGENCY SUPPLYING DATA

49. DATE July 12, 1951