

RESERVOIR SEDIMENTATION
DATA SUMMARY

Oak Creek Reservoir

61-1

DATA SHEET NO.

DAM	1. OWNER USDI - BIM			2. RIVER Trib. of Zuni River		3. STATE New Mexico		
	4. SEC. 15 TWP. 10N RANGE 19W			5. NEAREST TOWN Zuni, N. Mex.		6. COUNTY McKinley		
	7. STREAM BED ELEV. 70.0*			8. TOP OF DAM ELEV. -		9. SPILLWAY CREST ELEV. 87.9*		
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					Oct. 1954		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION	87.9*		37.6	334.8	334.8		
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.47 MILES			AV. WIDTH OF RESERVOIR 0.12 MILES				
	18. TOTAL DRAINAGE AREA 9.41 SQ. MI.			22. MEAN ANNUAL PRECIPITATION INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 9.41 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.47 INCHES				
	20. LENGTH 4.43 MILES		AV. WIDTH 2.12 MILES		24. MEAN ANNUAL RUNOFF 235 AG.-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.
	Oct. 1954 May 1960	6 1/2	6	Contour		37.6	334.8 148.0	35.6 15.7
	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	
	Oct. 1954 May 1960		235	418	1,410	235	1,410	
	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. 1954 May 1960	187	31.2	3.32	187	31.2	3.32	
	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. 1954 May 1960				9.3	55.9			

* Assumed datum
1/ Runoff seasons

