

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Zia Reservoir

57-14

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BLM			2. RIVER Jemez (trib. of)			3. STATE New Mexico									
	4. SEC. 16 TWP. 15N RANGE 2E			5. NEAREST TOWN San Ysidro, N. Mex.			6. COUNTY Sandoval									
	7. STREAM BED ELEV. 6.3*			8. TOP OF DAM ELEV. -			9. SPILLWAY CREST ELEV. 19.8*									
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															
	b. POWER															
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION		19.8*		10.7		59.9		59.9							
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.17 MILES				AV. WIDTH OF RESERVOIR 0.10 MILES											
	18. TOTAL DRAINAGE AREA 2.4 SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 2.4 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.22 INCHES											
	20. LENGTH 3.69 MILES AV. WIDTH 0.65 MILES				24. MEAN ANNUAL RUNOFF 27.8 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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.	
	June 1954 Oct. 1960		7 1/2		7		Contour				10.7		59.9 19.0		24.9 7.9	
	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		e. TOTAL TO DATE			
	June 1954 Oct. 1960				27.8		92.1		194.8		27.8		194.8			
	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			
	June 1954 Oct. 1960		40.9		5.84		2.43		40.9		5.84		2.43			
	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		c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE	
June 1954 Oct. 1960								9.8		68.4						

\* Assumed datum  
1/ Runoff seasons

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  
 Data contained in U. S. Geological Survey Water Supply Paper in process of publication

48. AGENCY SUPPLYING DATA U. S. Geological Survey  
 Water Resources Division 49. DATE May 7, 1962