

RESERVOIR SEDIMENTATION
DATA SUMMARY

San Luis (3)

57-13

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BIM		2. RIVER Trib. of Rio Puerco		3. STATE New Mexico			
	4. SEC. 6 TWP. 17N RANGE 2W		5. NEAREST TOWN Cuba, N. Mex.		6. COUNTY Sandoval			
	7. STREAM BED ELEV. 2.6*		8. TOP OF DAM ELEV. 21.1*		9. SPILLWAY CREST ELEV. 17.6*			
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					Aug. 1952		
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	e. CONSERVATION	17.6*	7.1	22.6	22.6			
	f. INACTIVE							
17. LENGTH OF RESERVOIR 0.12		MILES		AV. WIDTH OF RESERVOIR .09		MILES		
WATERSHED	18. TOTAL DRAINAGE AREA 0.67		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA 0.66		SQ. MI.		23. MEAN ANNUAL RUNOFF 0.66		INCHES	
	20. LENGTH -		MILES		AV. WIDTH -		MILES	
	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.
	Aug. 1952 Oct. 1960	8 1/2	8	Contour		7.1	22.6 19.6	33.7 29.3
	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	
	Aug. 1952 Oct. 1960		23.6	62.2	188.9	23.6	188.9	
	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	
	Aug. 1952 Oct. 1960	3.0	0.38	0.58	3.0	0.38	0.58	
	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
Aug. 1952 Oct. 1960				1.7	13.3			

* Assumed datum
1/2 Runoff seasons

28. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
28. 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.	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	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			