

RESERVOIR SEDIMENTATION
DATA SUMMARY

Cornfield Wash (13)

57-10

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BLM			2. RIVER Trib. of Rio Puerco		3. STATE New Mexico			
	4. SEC. 10 TWP. 18N RANGE 3W			5. NEAREST TOWN Cuba, N. Mex.		6. COUNTY Sandoval			
	7. STREAM BED ELEV. 42.0*			8. TOP OF DAM ELEV. 55.7*		9. SPILLWAY CREST ELEV. 52.1*			
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						April 1951		
	b. POWER								
	c. WATER SUPPLY								
	d. IRRIGATION						16. DATE NORMAL OPER. BEGAN		
	e. CONSERVATION		52.1*	2.03	7.4	7.4			
f. INACTIVE									
17. LENGTH OF RESERVOIR 0.16 MILES				AV. WIDTH OF RESERVOIR 0.20 MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 0.33 SQ. MI.			22. MEAN ANNUAL PRECIPITATION INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA .33 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.75 INCHES					
	20. LENGTH 0.98 MILES		AV. WIDTH 0.34 MILES		24. MEAN ANNUAL RUNOFF 13.2 AC.-FT.				
	21. MAX. ELEV. 6,800		MIN. ELEV. 6,600		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 AC.-FT. PER SQ. MI.
April 1951 Oct. 1960		10 ^{1/}	10	Contour		2.03	7.4 .3	22.4 .9	
SURVEY DATA	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
	April 1951 Oct. 1960				13.2		132.3	13.2	132.3
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		
April 1951 Oct. 1960		7.1	0.71	2.15	7.1	0.71	2.15		
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	
April 1951 Oct. 1960					9.6	96.0			

* 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													

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.

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