

Q. Alluvium

RESERVOIR SEDIMENTATION
DATA SUMMARY

Rattlesnake Detention

56-2

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER El Paso County			2. RIVER San Felipe Arroyo			3. STATE Texas			
	4. SEC. TWP. RANGE			5. NEAREST TOWN Fabens			6. COUNTY El Paso			
	7. STREAM BED ELEV. 3,815.0			8. TOP OF DAM ELEV. 3,840.0			9. SPILLWAY CREST ELEV. 3,835.0			
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	3,835.0	37.64		224.4	July 1937				
	b. POWER									
	c. WATER SUPPLY									
	d. IRRIGATION									
	e. CONSERVATION	3,816								
	f. INACTIVE									
17. LENGTH OF RESERVOIR 0.45 MILES			AV. WIDTH OF RESERVOIR 0.13 MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 5.15 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 10.0 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 2.81 (1) SQ. MI.			23. MEAN ANNUAL RUNOFF 0.25 INCHES						
	20. LENGTH 4.25 MILES		AV. WIDTH 2.0 MILES		24. MEAN ANNUAL RUNOFF 13.3 ac.ft./sq.mi. AC. FT.					
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION 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.		
	July 1937	-	-	-	-	37.64	224.4	43.57		
	July 27, 1954	17	17	Contour	4 Contour	37.60	175.74	34.12		
	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.				
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				
July 27, 1954	48.66	2.86	1.02	48.66	2.86	1.02				
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	c. PERIOD	d. TOT. TO DATE			
July 27, 1954	-	-	-	1.27	21.68	-	-			

(1) Includes Hueco watershed but does not include Roberts watershed.

