

Q Alluvium

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Roberts Detention  
NAME OF RESERVOIR

56-3

DATA SHEET NO.

DAM	1. OWNER <u>El Paso County</u>			2. RIVER <u>San Felipe Arroyo</u>			3. STATE <u>Texas</u>			
	4. SEC. TWP. RANGE			5. NEAREST TOWN <u>Fabens</u>			6. COUNTY <u>El Paso</u>			
	7. STREAM BED ELEV. <u>3,927.0</u>			8. TOP OF DAM ELEV. <u>3,941.0</u>			9. SPILLWAY CREST ELEV. <u>3,920.35</u>			
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	<u>3,920.35</u>	<u>24.12</u>		<u>145.29</u>	<u>July 1937</u>				
	b. POWER									
	c. WATER SUPPLY									
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION									
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR <u>0.34</u> MILES			AV. WIDTH OF RESERVOIR <u>0.13</u> MILES						
	18. TOTAL DRAINAGE AREA <u>2.34</u> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <u>10</u> INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA <u>2.31</u> SQ. MI.			23. MEAN ANNUAL RUNOFF <u>0.25</u> INCHES						
	20. LENGTH <u>2.31</u> MILES		AV. WIDTH <u>1.2</u> MILES		24. MEAN ANNUAL RUNOFF <u>13.3</u> Ac. Ft./sq. mi.					
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION <u>Arid</u>					
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.		
	<u>July 1937</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>24.12</u>	<u>145.29</u>	<u>62</u>		
	<u>July 26, 1954</u>	<u>17</u>	<u>17</u>	<u>Contour</u>	<u>4 contours</u>	<u>24.12</u>	<u>104.82</u>	<u>45</u>		
	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			
	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			
	<u>July 26, 1954</u>	<u>40.47</u>	<u>2.38</u>	<u>1.03</u>	<u>40.47</u>	<u>2.38</u>	<u>1.03</u>			
	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			
<u>July 26, 1954</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1.64</u>	<u>27.85</u>	<u>-</u>	<u>-</u>			

