

RESERVOIR SEDIMENT

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

DATA SUMMARY

Santa Cruz River Watershed - Site 4

SCS-34 Rev. 6-66

NAME OF RESERVOIR

57-25

DATA SHEET NO.

Pojoaque-Santa Cruz & East Rio Arriba Natural Resource

DAM	1. OWNER Conservation Districts		2. STREAM Martinez Arroyo		3. STATE New Mexico											
	4. SEC. 34 TWP. 21N RANGE 9E		5. NEAREST P.O. Chimayo		6. COUNTY Rio Arriba											
	7. LAT 36° 00' 32" LONG 105° 58' 46"		8. TOP OF DAM ELEVATION 5996.6		9. SPILLWAY CREST ELEV. 5993.6											
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-Feet		14. GROSS STORAGE, ACRE-Feet		15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL		5993.6		39.7		113		241.0		7/3/62					
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN					
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION															
	f. CONSERVATION															
WATERSHED	g. INACTIVE		1/ 5987.8		16.3		128		128		7/3/62					
	17. LENGTH OF RESERVOIR 0.18 MILES				AV. WIDTH OF RESERVOIR 0.345 MILES											
	18. TOTAL DRAINAGE AREA 2.45 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 9.63 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 2.39 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.1 INCHES											
	20. LENGTH 2.7 MILES		AV. WIDTH 0.91 MILES		24. MEAN ANNUAL RUNOFF 13.1 AC.-FT.											
21. MAX. ELEV. 6898' M.S.L. MIN. ELEV.				25. ANNUAL TEMP: MEAN 51 RANGE -23° to 106°F.												
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/I. RATIO, AC.-FT. PER AC.-FT.	
	7/62		-		-		-		-		39.7		241.0		18.45	
	4/75 2/		13		13		"D" Contour		C.I. 2		22.6		123.87		9.45	
	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			
	4/75		-		Dry pool - No records				-							
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, 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			
	4/75		117.13		9.01		3.77		117.13		9.01		3.77			
	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. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE				
4/75		87		7149.5		7149.5		3.7 48.6		-		-				

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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															
1/ Sediment pool elevation. Dry pool.															
2/ Survey completed after 13th runoff season.															
48. AGENCY MAKING SURVEY USDA, Soil Conservation Service															
49. AGENCY SUPPLYING DATA USDA, Soil Conservation Service															
50. DATE 7/75															