

RESERVOIR SEDIMENT DATA SUMMARY

Site #2

Sebastian Martin-Black Mesa

61-9

East Rio Arriba SWCD

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER U. Rio Grande WS Dist.		2. STREAM Arroyo del Guigue		3. STATE NM			
	4. SEC. 34 TWP. 22N RANGE 8E		5. NEAREST P.O. San Juan Pueblo		6. COUNTY Rio Arriba			
	7. LAT. 36° 5' 30" LONG. 106° 4' 35"		8. TOP OF DAM ELEVATION 5780.5		9. SPILLWAY CREST ELEV. 5777.0			
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	5777.0	10.2 $\frac{1}{2}$	34.7 $\frac{1}{2}$	34.1	June 1977		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION	5773.6	9.3 $\frac{1}{2}$	27.3 $\frac{1}{2}$	27.3	June 1977		
g. INACTIVE								
17. LENGTH OF RESERVOIR	.09 MILES	AV. WIDTH OF RESERVOIR	.08 MILES					
WATERSHED	18. TOTAL DRAINAGE AREA		.21 SQ. MI.		22. MEAN ANNUAL PRECIPITATION		9.0 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA		.20 SQ. MI.		23. MEAN ANNUAL RUNOFF		.1 INCHES	
	20. LENGTH	.9 MILES	AV. WIDTH	.28 MILES	24. MEAN ANNUAL RUNOFF		1.12 AC.-FT.	
	21. MAX. ELEV.	6520	MIN. ELEV.	5748	25. ANNUAL TEMP.: MEAN 51° RANGE 0° F thru 100° 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.
	8-88	11.2	11.2	Range	3	10.2 $\frac{1}{2}$	34.7	31.0
	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	
	Dry Pool							
	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	
	8-88	4.1	.37	1.85	4.1	.37	1.85	
	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	
8-88	81.2	1461	3272	1.09	12			

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

REMARKS AND REFERENCES

1/ Based on interpretation of a topographic map of the site made in June 1977.

48. AGENCY MAKING SURVEY USDA, SCS, NMSO, Albuquerque, NM, GIU

49. AGENCY SUPPLYING DATA USDA, SCS, NMSO, Albuquerque, NM, GIU 50. DATE 8-88