

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Panama Lake

24-44a

Unnamed Tributary

DATA SHEET NO.

DAM	1. OWNER <u>Raymond Coleman</u>		2. RIVER <u>of Indian Creek</u>		3. STATE <u>Illinois</u>													
	4. LONG. <u>22</u> LAT. <u>7N</u> RANGE <u>4W</u>		5. NEAREST TOWN <u>Panama</u>		6. COUNTY <u>Montgomery</u>													
	7. STREAM BED ELEV. <u>534</u> <u>1</u>		8. TOP OF DAM ELEV. <u>568</u> <u>1</u>		9. SPILLWAY CREST ELEV. <u>560</u> <u>1</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					1928												
	b. POWER																	
	c. WATER SUPPLY	<u>560</u>	<u>18.4</u>	<u>177.8</u>	<u>177.8</u>	16. DATE NORMAL OPER. BEGAN												
	d. IRRIGATION																	
	e. CONSERVATION																	
	f. INACTIVE																	
17. LENGTH OF RESERVOIR <u>0.492</u> MILES		AV. WIDTH OF RESERVOIR <u>0.0642</u> FEET																
WATERSHED	18. TOTAL DRAINAGE AREA <u>0.85</u> SQ. MI.		22. MEAN ANNUAL PRECIPITATION (<u>45</u>) <u>38</u> INCHES															
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.84</u> SQ. MI.		23. MEAN ANNUAL RUNOFF (<u>20-40</u>) <u>9.7</u> INCHES															
	20. LENGTH <u>1.61</u> MILES	AV. WIDTH <u>0.40</u> MILES	24. MEAN ANNUAL RUNOFF <u>331.6</u> AC.-FT.															
	21. MAX. ELEV. <u>605</u>		MIN. ELEV. <u>534</u>	25. CLIMATIC CLASSIFICATION <u>Humid</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.										
	Aug. 1958	-	-	-	-	18.4	177.8	209										
		30	30	RD	10	18.4	151.9	179										
	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										
	Aug. 1958	25.95		0.86			1.01			25.95			0.86			1 01		
	Aug. 1958	48.2 (10)		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									
	Aug. 1958	48.2 (10)		1130		1130		0.5		14.6								

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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															
<u>1/</u> Estimated from U.S.G.S. Quad. Maps (Elev of 100 was assumed for spillway crest for purposes of Survey) <u>2/</u> Estimated from U.S.G.S. Quad. Maps															
48. AGENCY SUPPLYING DATA Illinois State Water Survey															
49. DATE 6 Oct. 1961															