

**RESERVOIR SEDIMENT
DATA SUMMARY**
SCS-34 Rev. 6-62

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Oakland City #2
NAME OF RESERVOIR

17-2a
DATA SHEET NO.

DAM	1. OWNER <u>Oakland City Corp.</u>			2. STREAM <u>S. Fork Patoka R.</u>			3. STATE <u>Indiana</u>								
	4. SEC. <u>25</u> TWP. <u>2S</u> RANGE <u>8W</u>			5. NEAREST TOWN <u>Oakland City</u>			6. COUNTY <u>Gibson</u>								
	7. STREAM BED ELEVATION <u>436.6</u>			8. TOP OF DAM ELEVATION <u>464</u>			9. SPILLWAY CREST ELEV. <u>460.9</u>								
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. MULTIPLE USE										1921				
	b. FLOOD CONTROL														
	c. POWER														
	d. WATER SUPPLY		<u>460.9 1/</u>		<u>87</u>		<u>850.8 1/</u>		<u>850.8 1/</u>		16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION														
	f. CONSERVATION														
	g. SEDIMENT										1921				
h. INACTIVE															
17. LENGTH OF RESERVOIR <u>0.61</u> MILES				AV. WIDTH OF RESERVOIR <u>0.2</u> MILES											
WATERSHED	18. TOTAL DRAINAGE AREA <u>0.52</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>43.2</u> INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.40</u> SQ. MI.				23. MEAN ANNUAL RUNOFF <u>14.5 *</u> INCHES										
	20. LENGTH <u>1</u> MILES		AV. WIDTH <u>0.5</u> MILES		24. MEAN ANNUAL RUNOFF <u>774 per sq mi.</u> AC.-FT.										
	21. MAX. ELEV. <u>525 *</u>		MIN. ELEV. <u>436.6</u>		25. CLIMATIC CLASSIFICATION <u>Humid</u>										
	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.
1921		-		-		-		-		87		850.8 1/		1635 1/	
9/6/40		19.0		19.0		Range(R)		8 (R)		87		835.8 1/		1607 1/	
8/10/65		24.9		43.9		Range(D)		8(R)		79.6		811.0		1560	
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			
9/6/40		15.0		0.789		1.973		15		0.789		1.973			
8/10/65		24.8		0.996		2.490		39.8		0.907		2.268			
		28.1 2/		1.129 2/		2.823 2/		43.1 2/		0.982 2/		2.455 2/			
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. AN.		b. TOT. TO DATE							
9/6/40		40*		1,720		0.08		650							
8/10/65		70(6)		3,796		0.11		1440							
				4,304 2/		3,897 2/		1300							

* Assumed or estimated.

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														
8/10/65	8.2	10.3	18.7	17.4	20.5	12.3	5.1	1.8	3.6	2.1					

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/ Items are based on corrected instrument surveys of shore line and range locations as used in the 1965 surveys.
 2/ Includes above crest deposits.

48. AGENCY MAKING SURVEY Soil Conservation Service
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE December 9, 1965