

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

UPPER WABASH, Site No. 2

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

17 - 27

DATA SHEET NO.

DAM	1. OWNER Wabash Cons. Dist.		2. STREAM Trib. Wabash Riv.		3. STATE Ohio					
	4. SEC. 32 TWP. 15N RANGE 2E		5. NEAREST P.O. Burketsville		6. COUNTY Mercer					
	7. LAT. 40° 21' 45" LONG 84° 41' 5"		8. TOP OF DAM ELEVATION 998.2		9. SPILLWAY CREST ELEV. 995.1					
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	995.1	30.0	110.0	123.0	10/63				
	b. MULTIPLE USE									
	c. POWER									
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION									
	f. CONSERVATION					10/63				
	g. INACTIVE	987.6	6.0	13.0	13.0					
WATERSHED	17. LENGTH OF RESERVOIR		0.45	MILES	AV. WIDTH OF RESERVOIR		0.104	MILES		
	18. TOTAL DRAINAGE AREA		1.12	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		37.72	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		1.07	SQ. MI.	23. MEAN ANNUAL RUNOFF		9.23	INCHES		
	20. LENGTH	3.2	MILES	AV. WIDTH	0.35	MILES	24. MEAN ANNUAL RUNOFF		551.3	AC.-FT.
	21. MAX. ELEV.	1050		MIN. ELEV.	982	25. ANNUAL TEMP.: MEAN 51°F RANGE 29°F to 73°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.		
	10/63	0	0	-	-	30	123.0	0.22		
	3/72	8.3	8.3	Range Contour (R)	10R 4 CI	30	115.5	0.21		
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-Feet			36. WATER INFL. TO DATE, AC.-FT.			
	3/72			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE		
				551			1702			
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-Feet			38. TOTAL SED. DEPOSITS TO DATE, ACRE-Feet					
	3/72	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR			
		7.5	0.90	0.84	7.5	0.90	0.84			
	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			
3/72	80*	a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE			
		1467.2	1467.2	0.74	6.10					

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION													
	995-992	992-988	988-984	984-982										
3-72	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													
	61*	31	1	<1										
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
	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						
Original Capacity - '63			993.6	20.0	89.0									
982.4	0	0	995.6	33.0	142.0									
984.0	1.1	1.0	997.6	46.2	221.2									
985.0	2.1	2.6	999.6	57.5	324.9									
986.0	3.5	5.4	1972 Capacity											
987.0	5.0	9.7	984	0.5	0.5									
987.0	6.6	15.5	988	5.6	12.7									
989.6	10.2	29.0	992	14.3	52.5									
990.6	12.3	40.3	995		1050*									
47. REMARKS AND REFERENCES														
*Assumed														
Item 17 - Major Tributary 0.38 mi.														
Item 37a - Based on Elev. 992														
Item 22 - Based on Rainfall Gage at Versailles, Ohio														
Item 23 - Based on USGS Stream Gauge 3-3225 Wabash River at New Croydon, Indiana														
Items 35 & 36 - Based on Items 22 - 24														
Land Use Data in SCS Ohio State Office														
48. AGENCY MAKING SURVEY - SCS						50. DATE 8/5/76								
49. AGENCY SUPPLYING DATA - SCS														