

RESERVOIR SEDIMENT  
DATA SUMMARY  
SCS-34 Rev. 6-66

UPPER HOCKING No. 24/

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

NAME OF RESERVOIR

21 - 64

DATA SHEET NO.

DAM	1. OWNER Hunters Run Cons Dis		2. STREAM Hunters Run		3. STATE Ohio			
	4. SEC. 8 TWP. 13N RANGE 19W		5. NEAREST P.O. Lancaster		6. COUNTY Fairfield			
	7. LAT. 39° 42' 18" LONG 82° 40' 58"		8. TOP OF DAM ELEVATION 969.0		9. SPILLWAY CREST ELEV. 959.0			
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	965.0	34.9	753	810	4/56		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					4/56		
	e. IRRIGATION							
	f. CONSERVATION	932.0	7.79	57	57			
g. INACTIVE								
17. LENGTH OF RESERVOIR		0.185	MILES	AV. WIDTH OF RESERVOIR		0.295		
18. TOTAL DRAINAGE AREA		1.87	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		39.54		
19. NET SEDIMENT CONTRIBUTING AREA		1.815	SQ. MI.	23. MEAN ANNUAL RUNOFF		12.78 (15 YRS) INCHES		
20. LENGTH		2.56	MILES	AV. WIDTH		0.73		
21. MAX. ELEV.		1220		MIN. ELEV.		913.2		
24. MEAN ANNUAL RUNOFF				25. ANNUAL TEMP: MEAN		RANGE		
WATERSHED	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.
	4/30/56	0	0	-	-	34.9	810.00	0.64
	6/2/61	5.0	5.0	Range (D)	10	34.1*	804.04	0.63
	8/24/71	10.2	15.2	Range (D)	4	33.4	795.41	0.62
SURVEY DATA	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	
	4/30/56							
	6/2/61		3598.90	4076.06	17994.85	----	----	
SURVEY DATA	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	
	4/30/56							
	6/2/61	5.96	1.19	0.66	5.96	1.19	0.66	
8/24/71	8.63	0.85	0.47	14.59	0.96	0.53		
SURVEY DATA	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
	4/30/56	-	-	-	-	-		
	6/2/61	68.24	975.8	975.8	0.147	0.74		
8/24/71	59.3	539.3	682.9	0.119	1.80			

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											
	<del>XX</del>											
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION											
	1-11	15-23	23-29	29-34	34-100							
	1	9	11	6	5	68						

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
<u>Original Capacity-1956</u>			952	25.49	421.62			
916	0	0	960	30.60	646.02			
920	0.69	1.38	964	34.21	775.70			
924	3.12	9.00	968	37.28	918.68			
928	6.02	27.78	<u>1973 Capacity</u>					
932	8.83	56.98	932	6.26	46.85			
936	14.19	103.02						
940	17.06	165.52						
944	20.01	239.66						

47. REMARKS AND REFERENCES

1/ Sediment Pool Only  
 2/ Total reservoir below crest elev. 969  
 3/ C/W ratio

Land Use Data in SCS Ohio State Office

4/ This site was previously reported as 19 - 39a

48. AGENCY MAKING SURVEY - SCS, Columbus, Ohio  
 49. AGENCY SUPPLYING DATA - SCS, USDA

50. DATE 8/5/76