

RESERVOIR SEDIMENT DATA SUMMARY
Sidie Hollow Lake
(Bad Axe Watershed Site 33)
NAME OF RESERVOIR

DAM	1. OWNER Vernon County			2. STREAM Trib. So. Fk. Bad Axe R.			3. STATE Wisconsin													
	4. SEC. 10 TWP. 12N RANGE 5W			5. NEAREST P.O. Viroqua, WI			6. COUNTY Vernon													
	7. LAT. 43° 32' 10" LONG. 90° 57' 20"			8. TOP OF DAM ELEVATION 943.2			9. SPILLWAY CREST ELEV. 939.0													
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		939.0		63.1		623.8		1072.9		8/65									
	b. MULTIPLE USE																			
	c. POWER																			
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN									
	e. IRRIGATION										8/65									
WATERSHED	f. CONSERVATION 1/		927.0		38.0		338.5		449.1		8/65									
	g. INACTIVE		916.0		-		110.6		110.6											
	17. LENGTH OF RESERVOIR 2/			0.875			MILES			AV. WIDTH OF RESERVOIR 0.11			MILES							
	18. TOTAL DRAINAGE AREA				7.12				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 33				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA				7.02				SQ. MI.				23. MEAN ANNUAL RUNOFF 8.0				INCHES			
20. LENGTH 3/			4.07			MILES			AV. WIDTH 1.75			MILES			24. MEAN ANNUAL RUNOFF 3040			AC.-FT.		
21. MAX. ELEV. 1300				MIN. ELEV. 896				25. ANNUAL TEMP: MEAN 46° RANGE 16° - 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.					
	Aug. 1965		-		-		-		-		63.1		1072.9		0.353					
	July - Aug. 1976		11.0		11.0		Range (S)		15		63.1		1049.7		0.346					
	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							
	July - Aug. 1976		33		3040		-		33,440		3040		33,440							
	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							
	July - Aug. 1976		23.20		2.11		0.301		23.20		2.11		0.301							
	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						
July - Aug. 1976		50.6		331		331		0.20		2.16		564		564						

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
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
1/ Recreation and Fish & Wildlife
2/ 2 main arms - Coe Hollow (north arm) 2375', Sidie Hollow (east arm) 2245'/2=2310'
3/ Sidie Hollow Branch only

1. Land Use in Watershed --- 1959 - 63% cropland, 20% grassland, 9% woods, 8% other
1975 - 62% cropland, 21% grassland, 8% woods, 9% other*. *Includes 13 acres
of grassland and 40 acres of woodland used for recreation (park).

2. Watershed Geology --- 43% Middel Ordovician - St. Peter Sandstone; 39% Lower
Ordovician - Prairie du Chien Group (Dolomite); 18% Upper Cambrian - Jordan,
St. Lawrence and Franconia Formations (mainly sandstone).

48. AGENCY MAKING SURVEY USDA, SCS, WI RB-WS Staff
49. AGENCY SUPPLYING DATA USDA, SCS
50. DATE 12/77 (Rev.)