

U.S. DEPARTMENT OF AGRICULTURE
**RESERVOIR SEDIMENTATION
DATA SUMMARY**

Owl Creek No. 1

SOIL CONSERVATION SERVICE
50 -44
DATA SHEET NO.

DAM	1. OWNER R. H. Atkins			2. RIVER West Owl Cr.			3. STATE Oklahoma									
	4. SEC. 22 TWP. 5N RANGE 1W			5. NEAREST TOWN Wayne			6. COUNTY McClain									
	7. STREAM BED ELEV. 1070.0 1/			8. TOP OF DAM ELEV. 1096.0			9. SPILLWAY CREST ELEV. 1092.0 1/									
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		1092.0 1/		29.16		-		206.32		4-25-49					
	b. POWER										16. DATE NORMAL OPER. BEGAN					
	c. WATER SUPPLY															
	d. IRRIGATION															
	e. CONSERVATION		1084.2 1/		10.85		-		52.41		4-25-49					
f. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR 0.38 2/				MILES				AV. WIDTH OF RESERVOIR 0.08				MILES			
	18. TOTAL DRAINAGE AREA 0.61 5/				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 35.00				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 0.59 5/				SQ. MI.				23. MEAN ANNUAL RUNOFF 4.26				INCHES			
	20. LENGTH 1.20				MILES				AV. WIDTH 0.65				MILES			
	24. MEAN ANNUAL RUNOFF 227.19 3/												AC.-FT.			
21. MAX. ELEV. -				MIN. ELEV. 1070.0				25. CLIMATIC CLASSIFICATION Humid								
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.	
	4-25-49		-		-		-		-		29.16		206.32		338.23	
	8-18-59		10.32		10.32		Det. Range		6		29.16		199.86		327.64	
	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		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR			
	8-18-59		6.46 4/		0.63 4/		1.03 5/		6.46 4/		0.63 4/5/		1.06 4/5/			
	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		c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE		
8-18-59		65.53 5/		1470.00 5/		1470.00 5/		01.20 (00.31)		12.33 (03.13)		-		-		

1/ Mean sea level

2/ 0.23 miles = length of one principal arm included in this item.

3/ Estimated

4/ No sediment in flood pool.

5/ Revised D.A. (excluding D.A. from terraces).

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
1092.0	29.16	206.32						
1088.0	19.60	109.44						
1084.2	10.85	52.41						
1080.0	9.34	19.07						
1076.0	2.12	4.63						
1072.0	0.25	0.50						

47. REMARKS AND REFERENCES
 Land Use: Pasture = 69%; Cultivated = 21%; Formerly cultivated = 10%; Survey of March 1960
 C/I ratio: (85.92 = 0.38); (338.23 = 1.49).
 Est. trap efficiency: 96% 5/
 Geology: Hennessey Formation. 5/

Soil Conservation Service
 Stillwater, Oklahoma

48. AGENCY SUPPLYING DATA

49. DATE April 18, 1960

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

Owl Creek #1

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

50-44a

DATA SHEET NO.

DAM	1. OWNER R.H. Atkins			2. STREAM Owl Creek			3. STATE Oklahoma		
	4. SEC. 22 TWP. 5N RANGE 1W			5. NEAREST TOWN Wayne			6. COUNTY McClain		
	7. STREAM BED ELEVATION 1070.0			8. TOP OF DAM ELEVATION 1096.0			9. SPILLWAY CREST ELEV. 1092.0		
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. MULTIPLE USE								
	b. FLOOD CONTROL	1092.0	29.16	153.91	206.32	4-25-49			
	c. POWER								
	d. WATER SUPPLY								
	e. IRRIGATION						16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION								
	g. SEDIMENT	1084.2	10.85	52.41	52.41	4-25-49			
h. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR 0.38 MILES			AV. WIDTH OF RESERVOIR 0.08 MILES					
	18. TOTAL DRAINAGE AREA 0.61 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 35.00 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.59 SQ. MI.			23. MEAN ANNUAL RUNOFF 4.26 INCHES					
	20. LENGTH 1.20 MILES		AV. WIDTH 0.65 MILES		24. MEAN ANNUAL RUNOFF 138 AC.-FT.				
	21. MAX. ELEV.		MIN. ELEV. 1070.0		25. CLIMATIC CLASSIFICATION Humid				
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.	
	4-25-49	-	-	Range (d)	6	10.85	52.41	85.92	
	8-18-59	10.32	10.32	"	"	(29.16)	(206.32)	(338.23)	
	10-4-63	4.12	14.44	"	"	(29.16)	(199.86)	(327.64)	
						10.85	42.57	69.79	
						(29.16)	(194.91)	(319.52)	
	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			
8-18-59	6.46	0.63	1.07	6.46	0.63	1.07			
	(6.46)	(0.63)	(1.07)	(6.46)	(0.63)	(1.07)			
10-4-63	3.38	0.82	1.39	9.84	0.68	1.15			
	(4.95)	(1.20)	(2.03)	(11.41)	(0.79)	(1.34)			
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	a. PERIOD -	b. TOT. TO DATE		
8-18-59	65.5 (3)	1527	1527	1.20	12.33				
		(1527)	(1527)	(0.31)	(3.13)				
10-4-63	"	1983	1641	1.30	18.78				
		(2897)	(1912)	(0.38)	(5.53)				

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
1092.0	29.16	206.32						
1088.0	19.60	109.44						
1084.2	10.85	52.41						
1080.0	5.34	19.07						
1076.0	2.12	4.63						
1072.0	0.25	0.50						

No 1963 capacity because it was computed by End Area Method.

47. REMARKS AND REFERENCES

Land Use (1960) - Pasture 79%, Cultivated 21%

Geology - Hennessey Formation

48. AGENCY MAKING SURVEY Soil Conservation Service

49. AGENCY SUPPLYING DATA Stillwater, Oklahoma

50. DATE 4-29-64

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Owl Creek #1

SCS-34 Rev. 6-66

NAME OF RESERVOIR

50- 44b

DATA SHEET NO.

DAM	1. OWNER R. H. Atkins			2. STREAM Owl Creek			3. STATE Oklahoma									
	4. SEC. 22 TWP. 5N RANGE 1W			5. NEAREST P. O. Wayne			6. COUNTY McClain									
	7. LAT. " " " " " " " "			8. TOP OF DAM ELEVATION 1096.0			9. SPILLWAY CREST ELEV. 1092.0									
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		1092.0		29.6		153.9		206.3		4/25/49					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										4/25/49					
	f. CONSERVATION															
g. INACTIVE		1084.2		10.9		52.4		52.4								
WATERSHED	17. LENGTH OF RESERVOIR .38 MILES				AV. WIDTH OF RESERVOIR 0.08 MILES											
	18. TOTAL DRAINAGE AREA .61 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 35.0 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA .59 SQ. MI.				23. MEAN ANNUAL RUNOFF 4.26 INCHES											
	20. LENGTH 1.20 MILES		AV. WIDTH .65 MILES		24. MEAN ANNUAL RUNOFF 227 AC.-FT.											
	21. MAX. ELEV. Est. 1133.0		MIN. ELEV. 1070.0		25. ANNUAL TEMP: MEAN RANGE Sub Humid											
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.	
	8/18/59		10.32		10.32		Range (D)		6 (R)		10.9 (29.2)		52.4 (206.3)		.91	
	10/4/63		4.12		14.44		"		"		10.9 (29.2)		46.0 (200.0)		.88	
	8/5/68		4.84		19.28		"		"		10.9 (29.6)		42.6 (194.0)		.86	
							Range Contour (D)		6 (R) 2' C.I.		10.9 (29.6)		40.2 (190.3)		.84	
	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 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			
8/18/59		6.46		0.63		1.07		6.46		0.63		1.07				
		(6.46)		(0.63)		(1.07)		(6.46)		(0.63)		(1.07)				
10/4/63		3.38		0.82		1.39		9.84		0.68		1.15				
		(4.95)		(1.20)		(2.03)		(11.41)		(0.79)		(1.34)				
8/5/68		2.40		0.50		0.85		12.20		0.63		1.07				
		(3.70)		(0.76)		(1.29)		(16.00)		(0.83)		(1.41)				
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		
8/18/59		65.5 (3)		1527.2		1527.2		1.2		12.3						
				(1527.2)		(1527.2)		(0.3)		(3.1)						
10/4/63		65 Sed P(3)		1967.8		1628.1		1.3		18.8						
		86 Det P(2)		(3166.6)		(1984.0)		(0.4)		(5.5)						
8/5/68		50 Sed P(2)		925.7		1165.2		1.2		23.3						
		83 Det P(2)		(1721.1)		(1779.8)		(0.4)		(7.76)						

NOTE: Figures in parenthesis represent sediment and flood control pools.

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION													
	1092-88	88-84	84.2-80	80-72										
8/5/68	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													
	10.0	13.8	17.7	58.5										
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) 1/			1968 Survey					
1092	29.16	206.32	1092	29.5	190.3			
1088	19.60	109.44	1090	23.8	137.1			
1084.2	10.85	52.41	1088	18.4	95.0			
1080.0	5.34	19.07	1086	14.1	62.6			
1076.0	2.12	4.63	1084.2	10.9	40.2			
1072.0	0.25	0.50	1082	6.7	21.0			
			1080	4.7	9.7			
			1078	2.7	2.3			
			1075.4	0.0	0.0			

47. REMARKS AND REFERENCES

1/ Made at same time of 1959 survey
 Land Use (1960) Pasture 79%, Cultivated 21%
 Geology Hennessey FM, Permian Age

48. AGENCY MAKING SURVEY Oklahoma Watershed Planning Staff #2
 49. AGENCY SUPPLYING DATA S.C.S. U.S.D.A.
 50. DATE Sept. 24, 1968

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

Owl Creek No. 1

NAME OF RESERVOIR

50-44c

DATA SHEET NO.

DAM	1. OWNER R. H. Atkins			2. STREAM Owl Creek			3. STATE Oklahoma								
	4. SEC. 22 TWP. 5N RANGE 1W			5. NEAREST P. O. Wayne			6. COUNTY McClain								
	7. LAT. 34° 62' 45" LONG 97° 17' 30"			8. TOP OF DAM ELEVATION 1096.0			9. SPILLWAY CREST ELEV. 1092.0								
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		1092.0		29.6		153.9		206.3		4/25/49				
	b. MULTIPLE USE														
	c. POWER														
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION														
	f. CONSERVATION														
g. INACTIVE 1/		1084.2		10.9		52.4		52.4		4/25/49					
17. LENGTH OF RESERVOIR .38 MILES			AV. WIDTH OF RESERVOIR 0.12 MILES												
WATERSHED	18. TOTAL DRAINAGE AREA .61 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 35.0 INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA .56 SQ. MI.				23. MEAN ANNUAL RUNOFF 4.26 INCHES										
	20. LENGTH 1.20 MILES		AV. WIDTH .51 MILES		24. MEAN ANNUAL RUNOFF 138.6 AC.-FT.										
	21. MAX. ELEV. Est. 1110.0		MIN. ELEV. 1070.0		25. ANNUAL TEMP: MEAN 61° RANGE 114° to -14°										
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.				
	8/18/59		-		Range (D)	6R	10.9 (29.2)		52.4 (206.3)		1.49				
	8/18/59		10.32	10.32	"	"	10.9 (29.2)		46.1 (200.0)		1.44				
	10/4/63		4.12	14.44	"	"	10.9 (29.6)		42.6 (194.0)		1.40				
	8/5/68		4.84	19.28	"	"	10.9 (29.6)		40.2 (190.3)		1.37				
	8/10/73		5.01	24.29	"	2' C.I.	9.6 (28.4)		37.5 (181.5)		1.31				
	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 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			
8/18/59		6.3 (6.3)		0.6 (0.6)		1.1 (1.1)		6.3 (6.3)		0.6 (0.6)		1.1 (1.1)			
10/4/63		3.5 (6.0)		0.8 (1.5)		1.4 (2.6)		9.8 (12.3)		0.7 (0.8)		1.2 (1.5)			
8/5/68		2.4 (3.7)		0.5 (0.8)		0.9 (1.4)		12.2 (16.0)		0.6 (0.8)		1.1 (1.47)			
8/10/73		2.7 (8.8)		0.53 (1.76)		.90 (3.12)		14.9 (24.8)		.61 (1.02)		1.09 (1.81)			
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. 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	
8/18/59		65.5 (3)		1569 (1569)		1569 (1569)		1.2 (0.3)		12.3 (3.1)					
10/4/63		65 Sed. P (3)		2118 (4148)		1699 (2261)		1.3 (0.4)		18.8 (5.96)					
8/5/68		86 Det. P (2)		964 (1862)		1198 (1891)		1.2 (0.4)		23.3 (7.8)					
8/10/73		50 Sed. P (2)		1626 (5160)		1306 (2545)		1.2 (.5)		24.8 (12.0)					
		86 Det. P (2)													
		79 Det. P (2)													

Note: Figures in parenthesis represent sediment and flood control pools.

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	1092-88	88-84	84-80	80-72											
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
8/5/68	10.0	13.8	17.7	58.5											
8/10/73	20.1	19.8	20.2	39.9											
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							
Original (1949) 2/			1968 Survey			1973 Survey									
1092	29.16	206.32	1092	29.5	190.3	1092	28.4	181.5							
1088	19.60	109.44	1090	23.8	137.1	1090	22.9	130.2							
1084.2	10.85	52.41	1086	14.1	62.6	1086	13.6	58.3							
1080.0	5.34	19.07	1084.2	10.9	40.2	1084.2	9.6	37.5							
1076.0	2.12	4.63	1082	6.7	21.0	1082.0	6.3	20.2							
1072.0	0.25	0.50	1080	4.7	9.7	1080.0	4.7	9.2							
			1078	2.7	2.3	1078.0	2.6	2.0							
			1075.4	0.0	0.0	1075.7	0.0	0.0							
47. REMARKS AND REFERENCES															
1/ Sediment Pool															
2/ Made at same time of 1959 survey															
Land Use: 1960 Pasture 79%, Cultivated 21%															
Land Use: 1973 Pasture-Range 84%, Cropland 11%, Miscellaneous 5%															
Geology: Hennessey FM. Permian Age															
Land Resource Area: Central Rolling Red Prairies															
48. AGENCY MAKING SURVEY			Oklahoma Watershed & River Basin Planning Staff			50. DATE									
49. AGENCY SUPPLYING DATA			SCS U.S.D.A.			12/21/73									