SCS-34
Jan. 1958

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

RESERVOIR SEDIMENTATION DATA SUMMARY

Wildhorse Creek No. 1 — NAME OF RESERVOIR

50 - 42 — DATA SHEET NO.

DAM

1. OWNER: King - Youngblood	2. RIVER: Trib. of Wildhorse Cr.	3. STATE: Oklahoma
4. SEC. 33 TWP. 1N RANGE 1E	5. NEAREST TOWN: Davis	6. COUNTY: Garvin
7. STREAM BED ELEV.: 1/ 76.0	8. TOP OF DAM ELEV.: 1/ 97.0	9. SPILLWAY CREST ELEV.: 93.0

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	16. DATE NORMAL OPER. BEGAN
a. FLOOD CONTROL	93.0	34.29	175.20	242.36	5-1-49	
b. POWER						
c. WATER SUPPLY						
d. IRRIGATION						
e. CONSERVATION	85.0	11.34	67.16	67.16	5-1-49	
f. INACTIVE						

17. LENGTH OF RESERVOIR: 0.40 MILES — AV. WIDTH OF RESERVOIR: 0.13 MILES

WATERSHED

18. TOTAL DRAINAGE AREA: 0.97 SQ. MI.		22. MEAN ANNUAL PRECIPITATION: 2/ 36.0	INCHES
19. NET SEDIMENT CONTRIBUTING AREA: 0.95 SQ. MI.		23. MEAN ANNUAL RUNOFF: 4.10	INCHES
20. LENGTH: 1.07 MILES	AV. WIDTH: 0.91 MILES	24. MEAN ANNUAL RUNOFF: 218.65	AC.-FT.
21. MAX. ELEV.: -	MIN. ELEV.: 76.0	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.
4-30-1949	-	-	-	-	34.29	242.36	255.22
7-31-1959	10.25	10.25	Det. Range	6	34.29	236.20	248.63

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	d. 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	c. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR
7-31-1959	6.15	0.60	0.63	6.15	0.60	0.63
	3/ 0.01			3/ 0.01		
	6.16	0.60	0.63	6.16	0.60	0.63

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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
7-31-1959	60.79	834.12 (834.12)	834.12 (834.12)	00.89 (00.25)	09.15 (02.54)		

1/ Assumed Elevation.
2/ 30-year record or more.
3/ Acre feet sediment in flood pool.

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 LENGH 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
93.0	34.29	242.36	76.0	3.10	10.89			
92.0	30.89	209.78	72.0	2.10	0.56			
88.0	18.66	111.70						
85.0	11.34	67.16						
84.0	10.00	56.45						
80.00	5.03	27.00						

47. REMARKS AND REFERENCES

Land Use: Pasture = 89%; Formerly Cultivated, 11%; Survey of March 1960.
CI Ratio = (69.24 = 0.32); (249.86 = 1.14)
Est. Trap Efficiency = 97%
Geology; Wellington, Garber Formations

Soil Conservation Service
Stillwater, Oklahoma

48. AGENCY SUPPLYING DATA

49. DATE April 18, 1960

1959

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

Wildhorse Site#1
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

50-42a
DATA SHEET NO.

DAM

1. OWNER King Youngblood	2. STREAM Washita	3. STATE Oklahoma
4. SEC. 33 TWP. 1N RANGE 1E	5. NEAREST TOWN Davis	6. COUNTY Garvin
7. STREAM BED ELEVATION 76.0	8. TOP OF DAM ELEVATION	9. SPILLWAY CREST ELEV. 93.0

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	93.0	34.29	175.14	243.27	5-1-49
c. POWER					
d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN
e. IRRIGATION					
f. CONSERVATION					
g. SEDIMENT	85.0	11.34	68.13	68.13	5-1-49
h. INACTIVE					

17. LENGTH OF RESERVOIR 0.40 MILES		AV. WIDTH OF RESERVOIR 0.13 MILES	

WATERSHED

18. TOTAL DRAINAGE AREA 0.97 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 36.0 INCHES	
19. NET SEDIMENT CONTRIBUTING AREA 0.95 SQ. MI.		23. MEAN ANNUAL RUNOFF 4.1 INCHES	
20. LENGTH 1.07 MILES	AV. WIDTH 0.91 MILES	24. MEAN ANNUAL RUNOFF 212 AC.-F T.	
21. MAX. ELEV.	MIN. ELEV. 76.0	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.
5-1-49					11.34	68.13	70.24
					(34.29)	(243.27)	(250.79)
7-31-59	10.25	10.25	Range	6	11.34	61.98	63.90
					(34.29)	(237.11)	244.44
					11.34	59.54	61.38
10-1-63	4.25	14.50			31.85	234.67	241.93

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
7-31-59	6.15	0.60	0.63	6.15	0.60	0.63
	(6.16)	(0.60)	(0.63)	(6.16)	(0.60)	(0.63)
10-1-63	2.44	0.57	0.60	8.59	0.59	0.62
	(2.44)	(0.57)	(0.60)	(8.60)	(0.59)	(0.62)

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
7-31-59	60.79(2)	834	834	00.88	9.03		
				(00.25)	(2.53)		
10-1-63		794	794	00.80	12.61		
				(00.24)	(3.54)		

( ) Both sediment and flood pool.

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. Original Capacity ELEVATION-AREA-CAPACITY DATA

ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
93.0	34.29	243.27						
92.0	30.89	210.73						
88.0	18.66	112.69						
85.0	11.34	68.13	No 1959 and 1963 area capacity because					
84.0	10.00	57.48	it was computed by End Area Method.					
80.0	5.03	28.02						
76.0	3.10	11.85						
72.0	2.10	1.40						
70.0	-	-						

47. REMARKS AND REFERENCES

Land Use: Pasture and formerly cultivated 100%

Geology: Wellington Garber Formations

48. AGENCY MAKING SURVEY Soil Conservation Service

49. AGENCY SUPPLYING DATA Stillwater, Oklahoma

50. DATE 1-6-64

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

Wildhorse Site No. 1
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

50- 42b
DATA SHEET NO.

DAM

1. OWNER King-Youngblood	2. STREAM Wildhorse	3. STATE Oklahoma
4. SEC. 33 TWP. 1N RANGE 1E	5. NEAREST P.O. Davis	6. COUNTY Garvin
7. LAT. ° ' " LONG. ° ' "	8. TOP OF DAM ELEVATION 97.0 1/	9. SPILLWAY CREST ELEV. 93.0 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	93.0 1/	34.3	175.2	242.4	5-1-49
b. MULTIPLE USE					
c. POWER					
d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN
e. IRRIGATION					
f. CONSERVATION					5-1-49
g. INACTIVE	85.0 1/	11.3	67.2	67.2	

17. LENGTH OF RESERVOIR 0.4 MILES — AV. WIDTH OF RESERVOIR 0.13 MILES

WATERSHED

18. TOTAL DRAINAGE AREA	0.97 SQ. MI.	22. MEAN ANNUAL PRECIPITATION	36.0 INCHES
19. NET SEDIMENT CONTRIBUTING AREA	0.95 SQ. MI.	23. MEAN ANNUAL RUNOFF	4.10 INCHES
20. LENGTH 1.07 MILES	AV. WIDTH 0.91 MILES	24. MEAN ANNUAL RUNOFF	218.7 AC.-FT.
21. MAX. ELEV. 131.0 1/	MIN. ELEV. 76.0 1/	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.
5-1-49			Range (D)	6"	11.3 (34.3)	67.2 (242.4)	1.11
7-31-59	10.25	10.25	"	"	11.3 (34.3)	61.0 (236.2)	1.08
10-1-63	4.25	14.50	"	6 (R) 2' C.I.	11.3 (34.3)	58.6 (233.8)	1.07
7-26-68	4.82	19.32	Range Contour (D)	6 (R) 2' C.I.	11.7 (34.2)	55.7 (229.3)	1.05

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
7-31-59	6.15 (6.16)	0.60 (0.60)	0.63 (0.63)	6.15 (6.16)	0.60 (0.60)	0.63 (0.63)
10-1-63	2.44 (2.44)	0.57 (0.57)	0.60 (0.60)	8.59 (8.60)	0.59 (0.59)	0.62 (0.62)
7-26-68	2.90 (4.50)	0.60 (0.93)	0.63 (0.98)	11.5 (13.1)	0.60 (0.68)	0.63 (0.72)

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
7-31-59	61 (2)	834.1 (834.1)	834.1 (834.1)	0.89 (0.25)	9.16 (2.54)	- -	- -
10-1-63	"	794.4 (794.4)	820.9 (820.9)	0.88 (0.24)	12.79 (3.55)	- -	- -
7-26-68	54 Sed. P(3) 70 Det. P(3)	741.0 (1274.6)	741.0 (878.2)	0.89 (0.28)	17.11 (5.40)	- -	- -

Weighted Av. 61 lbs

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											
	93-92	92-88	88-85	85-84	84-80	80-76	76-72					
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
7/26/68	2.1	3.7	0	0	0	14.0	79.9					

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	Capacity		1963 Survey 2/			83.0	8.7	35.4
93.0	34.3	242.4	1968 Survey			81.0	6.6	20.1
92.0	30.9	209.8	93.0	34.2	229.3	79.0	4.6	9.0
88.0	18.7	111.7	91.0	27.5	167.7	77.0	2.3	2.2
85.0	11.3	67.7	89.0	20.7	119.7	74.1	0.0	0.0
84.0	10.0	56.5	87.0	15.9	83.2			
80.0	5.0	27.0	85.0	11.7	55.7			

47. REMARKS AND REFERENCES

1/ Assumed elevation

2/ No record of Elevation-Area-Capacity Data for 1963 Survey

Land Use - 5% Cult. 95% Native Pasture in good to excellent condition

Geology - Garber-Wellington FM, Permian Age

Land Resource Area - Cross Timbers

48. AGENCY MAKING SURVEY: Oklahoma Watershed Planning Staff #2

49. AGENCY SUPPLYING DATA: S.C.S. U.S.D.A.

50. DATE: Sept. 26, 1968

USDA-SCS-HYATTSVILLE, MD. 1966

April 1966

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

Wildhorse No. 1
NAME OF RESERVOIR

50- 520
DATA SHEET NO.

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

DAM

1. OWNER King-Youngblood	2. STREAM Wildhorse	3. STATE Oklahoma
4. SEC. 33 TWP. 1N RANGE 1E	5. NEAREST P.O. Davis	6. COUNTY Garvin
7. LAT. 34° 31' 05" LONG. 97° 12' 10"	8. TOP OF DAM ELEVATION 97.0	9. SPILLWAY CREST ELEV. 93.0

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	93.01/	34.3	175.2	242.4	5/1/49
b. MULTIPLE USE					
c. POWER					16. DATE NORMAL OPER. BEGAN
d. WATER SUPPLY					
e. IRRIGATION					
f. CONSERVATION					
g. INACTIVE 2/	85.01/	11.3	67.2	67.2	5/1/49

WATERSHED

17. LENGTH OF RESERVOIR 0.4 MILES		AV. WIDTH OF RESERVOIR 0.13 MILES	
18. TOTAL DRAINAGE AREA 0.97 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 36.0 INCHES	
19. NET SEDIMENT CONTRIBUTING AREA 0.92 SQ. MI.		23. MEAN ANNUAL RUNOFF 4.10 INCHES	
20. LENGTH 1.07 MILES	AV. WIDTH 0.91 MILES	24. MEAN ANNUAL RUNOFF 212.1 AC.-F T.	
21. MAX. ELEV. 1.761/	MIN. ELEV. 76.01/	25. ANNUAL TEMP: MEAN 63° RANGE -15° to 120°	

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.
5/1/49	-		Range (D)	6	11.3(34.3)	67.2(242.4)	1.143
7/31/59	10.25	10.25	"	"	11.3(34.3)	61.0(236.2)	1.114
10/1/63	4.25	14.50	"	"	11.3(34.3)	58.6(233.8)	1.102
7/26/68	4.82	19.32	Range Contour (D)	(6)2'C.I.	11.7(34.2)	55.7(229.3)	1.081
7/2/73	4.93	24.25	"	"	11.4(34.3)	55.4(226.7)	1.069

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
7/31/59	6.15(6.16)	0.6(0.6)	0.63(0.66)	6.15(6.16)	0.6(0.6)	0.63 (0.66)
10/1/63	2.44(2.44)	0.57(0.56)	0.6 (0.62)	8.59(8.60)	0.59(0.59)	0.62 (0.65)
7/26/68	2.90 (4.50)	0.6(0.93)	0.63(1.02)	11.5(13.1)	0.6(0.68)	0.63 (0.74)
7/2/73	0.3(2.6)	0.10(0.53)	0.10(0.58)	11.8(15.7)	0.49(0.65)	0.52 (0.71)

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
7/31/59	61 (2)	837(877)	837 (877)	0.9(0.3)	9.2(2.6)		
10/1/63	" "	829(829)	821 (860)	0.9(0.2)	12.8(3.6)		
7/26/68	54Sed.P(3) 70Det.P(3)	476(1026)	741 (909)	0.9(0.3)	17.1(5.4)		
7/2/73	52Sed.P(3) 71Det.P(3)	113 (904)	589(883)	0.7(0.3)	17.6(6.5)		

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION											
	93-92	92-88	88-85	85-84	84-80	80-76	76-72					
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
7/26/68	2.1	3.7	0	0	0	14.0	79.9					
7/2/73	3.2	15.9	0	7.0	0	73.9	-					

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 Capacity			91	27.5	167.7	1973 Survey		
93	34.3	242.4	89	20.7	119.7	93	34.3	226.7
92	30.9	209.8	87	15.9	83.2	90	23.7	141.2
88	18.7	111.7	85	11.7	55.7	85 (86)	11.4 (14.3)	55.4 (68.3)
85	11.3	67.7	83	8.7	35.4	84	9.8	44.9
84	10.0	56.5	81	6.6	20.1	82	7.6	27.5
80	5.0	27.0	79	4.6	9.0	80	5.7	14.3
1968 Survey			77	2.3	2.2	78	3.7	5.0
93.0	34.2	229.3	74	0.0	0.0	76	1.3	0.3

47. REMARKS AND REFERENCES

1/ Assumed elevation
2/ Sediment Pool
() Refers to flood control pool and sediment pool
Land Use 1968:5% cropland, 95% native pasture
Land Use 1973:9% woodland, 88% native pasture, 3% miscellaneous
Geology: Garber Wellington Formation, Permian Age
Land Resource Area: Cross Timbers

48. AGENCY MAKING SURVEY Oklahoma Watershed Planning and River Basin Staff
49. AGENCY SUPPLYING DATA SCS U.S.D.A. 50. DATE 1-3-74