DEPARTMENT OF THE ARMY — CORPS OF ENGINEERS

RESERVOIR SEDIMENTATION DATA SUMMARY

CANTON RESERVOIR — NAME OF RESERVOIR

46-13a — DATA SHEET NO.

DAM

1. OWNER Corps of Engineers	2. RIVER North Canadian	3. STATE Oklahoma
4. SEC 27,28,&33 TWP. 19N RANGE 13W	5. NEAREST TOWN Canton	6. COUNTY Blaine
7. STREAM BED ELEV. 1575	8. TOP OF DAM ELEV. 1648.0	9. SPILLWAY CREST ELEV. 1/ 1638

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	1638.0	15,750	281,200	401,500	2/ 25 July 1947
b. POWER					
c. WATER SUPPLY	3/ 1614.0	7,700	97,550	120,300	16. DATE NORMAL OPER. BEGAN
d. IRRIGATION					
e. CONSERVATION	3/ 1596.5	3,340	22,750	22,750	4 July 1948
f. INACTIVE					

17. LENGTH OF RESERVOIR 13.1 MILES — AV. WIDTH OF RESERVOIR 1.8 MILES

WATERSHED

18. TOTAL DRAINAGE AREA 4/ 12,483 SQ. MI. — 22. MEAN ANNUAL PRECIPITATION 19.34 INCHES

19. NET SEDIMENT CONTRIBUTING AREA 5/ 6,081 SQ. MI. — 23. MEAN ANNUAL RUNOFF 0.32 (21.58 yrs.) INCHES

20. LENGTH 300 MILES AV. WIDTH 40 MILES — 24. MEAN ANNUAL RUNOFF 216,300 (21.58 yrs) AC.-FT.

21. MAX. ELEV. 6500 MIN. ELEV. 1575 — 25. CLIMATIC CLASSIFICATION Semi-arid

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
July 1947	-	-	Range (D)	44	15,750	401,500	5/ 66
May 1953	5.8	5.8	Range (D)	22	15,750	390,800	5/ 64
Oct. 1959	6.4	12.2	Range (D)	22	15,750	385,900	5/ 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	a. MEAN ANNUAL	b. TOTAL TO DATE
May 1953	20.05	289,200	540,700	1,677,200	289,200	1,677,200
Oct. 1959	19.51	160,744	423,904	1,028,765	221,800	2,705,965

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.-YR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI-YR.
May 1953	10,700	1,840	0.303	10,700	1,840	0.303
Oct. 1959	4,900	766	0.120	15,600	1,280	0.210

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. TO DATE	a. PERIOD	b. TO DATE
May 1953	70.9 (13)	468	468	0.458	2.66	7250	7250
Oct. 1959	66.3	173	303	0.319	3.89	4293	6125

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26. DATE OF SURVEY	43. DEPTH DESIGNATION — RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION											
	63-58	58-53	53-48	48-43	43-38	38-33	33-28	28-23	23-18	18-13	13-8	8-crest
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
May 1953	1.5	4.7	5.1	9.3	13.8	16.9	15.9	14.7	10.3	4.6	3.2	0.0
Oct. 1959	1.1	3.4	3.2	5.4	8.3	13.3	18.8	20.3	12.8	7.4	4.4	1.6

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														
May 1953	2.5	6.4	10.7	19.3	21.3	17.9	15.6	4.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
Oct. 1959	2.3	2.2	4.7	17.0	27.2	19.1	17.1	6.1	3.1	1.2	0.0	0.0	0.0	0.0	0.0

45. RANGE IN RESERVOIR OPERATION

WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC-FT	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT
1948	1599.8	-	91,650	1956	1613.27	1604.33	10,960
1949	1614.3	1595.9	437,500	1957	1625.51	1596.32	423,900
1950	1623.8	1602.8	524,400	1958	1616.12	1613.68	185,300
1951	1628.0	1602.4	540,700	1959	1615.40	1613.12	104,200
1952	1605.3	1598.7	81,230				
1953	1598.8	1588.7	27,870				
1954	1596.75	1588.30	52,850				
1955	1615.50	1585.60	223,700				

46. ELEVATION-AREA-CAPACITY DATA

ELEVATION	AREA 6/	CAPACITY	ELEVATION	AREA 6/	CAPACITY	ELEVATION	AREA	CAPACITY
1580	0	0	1610	6,200	82,180			
1585	301	597	1613	7,080	102,000			
1590	1,560	5,150	1615	7,830	116,900			
1595	2,920	15,900	1620	9,450	160,200			
1596.5	3,190	20,570	1625	11,260	212,100			
1600	3,770	32,380	1630	12,810	272,100			
1603	4,450	44,850	1635	14,560	339,800			
1605	5,010	54,260	1638	15,750	385,900			

47. REMARKS AND REFERENCES 1/ Top of spillway gates closed. Spillway crest, bottom of gates, is at elevation 1613.0 2/ Date of diversion. 3/ Reservoir is being operated at "designated" pool elevation 1614.0, which temporarily supplies municipal water to Oklahoma City. 4/ Areas determined by AWR committee for April 1954 Drainage Area Data publication. 5/ Excludes 4642 sq mi of watershed not contributing to runoff, 1735 sq mi above Fort Supply Dam, and 25 sq mi surface area of Canton Reservoir. 6/ Areas are estimated.

48. AGENCY SUPPLYING DATA Department of the Army, CE, Tulsa District

49. DATE February 1960

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

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

CANTON LAKE
NAME OF RESERVOIR

46-13b
DATA SHEET NO.

DAM

1. OWNER	2. STREAM	3. STATE
Corps of Engineers	North Canadian	Oklahoma
4. SEC 27,28,33 **TWP.** 19N **RANGE** 13W	**5. NEAREST P. O.** Canton 2 N	**6. COUNTY** Blaine
7. LAT 36 ° 05 ' " **LONG.** 98 ° 36 ' "	**8. TOP OF DAM ELEVATION** 1648.0	**9. SPILLWAY CREST ELEV.** 1/1638.0

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	16. DATE NORMAL OPER. BEGAN
a. FLOOD CONTROL	1638.0	15,750	272,300	401,500	2/ 25 Jul 47	
b. MULTIPLE USE						
c. POWER						
d. WATER SUPPLY	3/ 1615.2	8,360	106,450	129,200		
e. IRRIGATION						
f. CONSERVATION	3/ 1596.5	3,340	22,750	22,750		4 Jul 48
g. INACTIVE						

WATERSHED

17. LENGTH OF RESERVOIR	13.1 MILES	AV. WIDTH OF RESERVOIR	1.8 MILES
18. TOTAL DRAINAGE AREA	4/ 12,483 SQ. MI.	22. MEAN ANNUAL PRECIPITATION	19.30 INCHES
19. NET SEDIMENT CONTRIBUTING AREA	5/ 6,081 SQ. MI.	23. MEAN ANNUAL RUNOFF	0.28 (28.58 yrs) INCHES
20. LENGTH	300 MILES / AV. WIDTH 40 MILES	24. MEAN ANNUAL RUNOFF	186,400 AC.-FT.
21. MAX. ELEV.	6500 / MIN. ELEV. 1575	25. ANNUAL TEMP.: MEAN	58.5 RANGE 106 to -2.5

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.
July 1947	-	-	Range (D)	44	15,750	401,500	2.15
6/May 1953	5.83	5.83	Range (D)	22	15,750	390,800	2.10
6/Oct 1959	6.42	12.25	Range (D)	22	15,750	385,900	2.07
Sept 1966	6.92	19.17	Range (D)	25	15,700	383,300	2.06

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
May 1953	20.05	288,890	540,420	1,684,200	288,890	1,684,200
Oct 1959	19.51	162,760	422,930	1,044,900	222,780	2,729,100
Sept 1966	18.69	99,170	159,390	686,260	178,160	3,415,360

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
May 1953	10,690	1,834	0.302	10,690	1,834	0.302
Oct 1959	4,880	760	0.125	15,570	1,271	0.209
Sept 1966	2,660	384	0.063	18,230	951	0.156
				7/18,500	7/ 965	7/0.159

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
May 1953	70.9	466.4	466.4	0.457	2.66	7,224	7,212
Oct 1959	56.2	65.3	255.8	0.317	3.88	1,795	5,138
Sept 1966	56.1	76.4	190.6	0.237	4.54	3,447	4,799

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION											
	63-55	55-45	45-40	40-35	35-30	30-25	25-20	20-15	15-8	8-cr	cr +5	+5-+10
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
May 1953	4.3	12.1	11.9	15.7	17.1	15.2	12.0	7.4	4.3	0.0	0.0	0.0
Oct 1959	3.2	7.7	5.6	12.0	16.4	22.2	14.7	9.9	6.7	1.6	0.0	0.0
Sept.1966	3.5	13.2	9.1	13.1	16.3	15.4	11.5	7.4	6.2	2.8	1.4	0.1

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	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
May 1953	2.5	6.4	10.7	19.3	21.3	17.9	15.6	4.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
Oct 1959	2.3	2.2	4.7	17.0	27.2	19.1	17.1	6.1	3.1	1.2	0.0	0.0	0.0	0.0	0.0
Sept 1966	4.3	5.7	7.7	18.0	22.3	16.2	14.1	5.3	3.3	1.8	1.3	0.0	0.0	0.0	0.0

45. RANGE IN RESERVOIR OPERATION

WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.
1947 (2 mo)	-	-	248	1957	1625.51	1596.32	422,930
1948	1599.80	-	90,800	1958	1616.12	1613.68	185,310
1949	1614.27	1595.91	437,640	1959	1615.40	1613.12	104,130
1950	1623.84	1602.85	532,180	1960	1615.56	1613.79	145,230
1951	1628.05	1602.36	540,420	1961	1614.65	1613.79	135,330
1952	1605.30	1598.65	81,170	1962	1615.16	1613.12	106,920
1953	1598.75	1588.66	29,530	1963	1614.21	1610.21	61,326
1954	1596.75	1588.30	52,846	1964	1611.93	1600.86	20,513
1955	1615.50	1585.66	223,790	1965	1616.18	1600.41	159,390
1956	1613.27	1604.33	10,953	1966	1615.52	1609.82	74,720

46. ELEVATION-AREA-CAPACITY DATA

ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1580	0	0	1610	6,323	79,150			
1585	242	256	1614	7,535	106,700			
1590	1,489	3,987	1615	7,879	114,400			
1595	2,678	14,160	1620	9,497	157,800			
1596.5	3,018	18,430	1625	11,258	209,800			
1600	3,652	29,950	1630	12,756	269,800			
1603	4,411	42,100	1635	14,510	338,100			
1605	4,873	51,390	1638	15,700	383,300			

47. REMARKS AND REFERENCES

1/ Top of spillway gates closed. Spillway crest is at elevation 1613.0.

2/ Date of diversion.

3/ Reservoir is being operated at "designated" pool elevation 1615.2 which temporarily provides municipal water supply for Oklahoma City.

4/ Area as determined by AWR committee for April 1954 drainage area data publication.

5 Excludes 4,642 sq. mi. of watershed not contributing to sediment; 1735 sq. mi. above Fort Supply Dam and 25 sq. mi. surface area of Canton Lake.

6/ To provide a uniform presentation of data from all sedimentation resurveys of Canton Lake, data summaries for the 1953 and 1959 resurveys have been revised to conform with present instructions.

7/ Includes above crest deposits.

48. AGENCY MAKING SURVEY U. S. Army Engineer District, Tulsa

49. AGENCY SUPPLYING DATA U. S. Army Engineer District, Tulsa 50. DATE October 1970

USDA-SCS-HYATTSVILLE MD. 1966

April 1966

RESERVOIR SEDIMENT
DATA SUMMARY

Canton Lake
NAME OF RESERVOIR

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

46-136
DATA SHEET NO.

DAM

1. OWNER Corps of Engineers	2. STREAM N. Canadian River	3. STATE Oklahoma
4. SEC. 28, 33 TWP. 19N RANGE 13W	5. NEAREST P.O. Canton 2 N	6. COUNTY Blaine
7. LAT 36 °05 ' " LONG 98 °36 ' "	8. TOP OF DAM ELEVATION 1648.0	9. SPILLWAY CREST ELEV. 1638.0 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	1638.0	15,750	246,950	401,500	25 Jul 47 2/
b. MULTIPLE USE					
c. POWER					
d. WATER SUPPLY	1615.4 3/	8,450	131,800	154,550	16. DATE NORMAL OPER. BEGAN
e. IRRIGATION					
f. CONSERVATION	1596.5 3/	3,340	22,750	22,750	4 Jul 48
g. INACTIVE					

WATERSHED

17. LENGTH OF RESERVOIR 13.1 MILES		AV. WIDTH OF RESERVOIR 1.8 MILES	
18. TOTAL DRAINAGE AREA 12,483 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 19.04 (30 yrs) INCHES	
19. NET SEDIMENT CONTRIBUTING AREA 6,081 4/ SQ. MI.		23. MEAN ANNUAL RUNOFF 0.241 (39.41 yrs) INCHES	
20. LENGTH 300 MILES	AV. WIDTH 40 MILES	24. MEAN ANNUAL RUNOFF 160,440 AC.-FT.	
21. MAX. ELEV. 6500	MIN. ELEV. 1575	25. ANNUAL TEMP MEAN 58.8° RANGE 109 to -2	

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.
31 Jul 1947	-	-	Range (D)	44	15,750	401,500	2.15
May 1953 5/	5.83	5.83	Range (D)	22	15,750	390,800	2.10
Oct 1959 5/	6.42	12.25	Range (D)	22	15,750	385,900	2.07
Sep 1966	6.92	19.17	Range (D)	25	15,700	383,300	2.06
31 Jul 1977	10.83	30.00	Range (D)	27	15,700	377,100	2.35

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
May 1953	20.05	288,890	540,420	1,684,200	288,890	1,684,200
Oct 1959	19.51	162,760	422,930	1,044,900	222,780	2,729,100
Sep 1966	18.69	99,170	159,390	686,260	178,160	3,415,360
Jul 1977	18.60	91,990	170,490	996,270	147,050	4,411,630

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
May 1953	10,690	1,834	0.302	10,690	1,834	0.302
Oct 1959	4,880	760	0.125	15,570	1,271	0.209
Sep 1966	2,660	384	0.063	18,230	951	0.156
				18,500 6/	965 6/	0.159 6/
Jul 1977	6,240	576	0.095	24,470	816	0.134
				24,580 6/	819 6/	0.135 6/

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
May 1953	70.9	466.4	466.4	0.457	2.66	7,224	7,212
Oct 1959	56.2	65.3	255.8	0.317	3.88	1,795	5,138
Sep 1966	56.1	76.4	190.6	0.237	4.54	3,447	4,799
Jul 1977	62.4	166.7	182.1	0.203	6.09	8,089	5,545

ENG FORM 1787 NOV 65 PREVIOUS EDITIONS ARE OBSOLETE.

Incl #1/2

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION											
	63-55	55-45	45-40	40-35	35-30	30-25	25-20	20-15	15-8	8-Cr	Cr-+5	+5.-+10
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
May 1953	4.3	12.1	11.9	15.9	17.1	15.2	12.0	7.4	4.3	0.0	0.0	0.0
Oct 1959	3.2	7.7	5.6	12.0	16.4	22.2	14.7	9.9	6.7	1.6	0.0	0.0
Sep 1966	3.5	13.2	9.1	13.1	16.3	15.4	11.5	7.4	6.2	2.8	1.4	0.1
Jul 1977	2.8	23.8	12.4	14.1	14.7	11.5	9.8	5.6	4.4	1.7	.3	-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	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
May 1953	2.5	6.4	10.7	19.3	21.3	17.9	15.6	4.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
Oct 1959	2.3	2.2	4.7	17.0	27.2	19.1	17.1	6.1	3.1	1.2	0.0	0.0	0.0	0.0	0.0
Sep 1966	4.3	5.7	7.7	18.0	22.3	16.2	14.1	5.3	3.3	1.8	1.3	0.0	0.0	0.0	0.0
Jul 1977	13.3	12.2	10.0	15.8	18.2	12.7	10.7	4.3	2.8	1.0	.3	.1	+1.5	0.0	0.0

45. RANGE IN RESERVOIR OPERATION

WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.
1967	1615.37	1608.68	6,757				
1968	1615.96	1611.41	108,591				
1969	1617.11	1612.51	149,975				
1970	1615.36	1609.64	69,407				
1971	1609.66	1602.48	30,283				
1972	1612.40	1602.33	120,425				
1973	1620.49	1608.25	170,490				
1974	1616.42	1610.05	100,268				
1975	1616.26	1607.57	132,420				
1976	1613.50	1609.65	46,138				
1977(10 mo)	1613.28	1604.64	61,516				

46. ELEVATION-AREA-CAPACITY DATA

ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1947 Original Survey			1977 Resurvey			1610	6,350	72,860
1575	0	0	1580	0	0	1614	7,504	100,530
1580	85	173	1585	20	23	1615	7,783	108,170
1590	1,660	6,350	1590	900	1,843	1615.4	7,901	111,348
1596.5	3,340	22,750	1595	2,330	10,370	1620	9,488	151,330
1603	4,920	49,290	1596.5	2,710	14,170	1625	11,256	203,310
1614	8,010	120,280	1600	3,391	25,010	1630	12,789	263,390
1615.4	8,450	131,800	1603	4,243	36,470	1635	14,598	331,710
1638	15,750	401,576	1605	4,749	45,560	1638	15,708	377,110

47. REMARKS AND REFERENCES

1/ Top of spillway gates closed. Spillway crest is at elevation 1613.0.
2/ Date of Diversion.
3/ Reservoir is being operated at "designated" pool elevatin 1615.4 which has been increased from elevation 1615.2 in June 1980. This authorized increase temporarily provides municipal water supply for Oklahoma City.
4/ Excludes 4,883 sq mi of watershed not contributing to flow; 1,494 sq mi of flow contributing area above Ft Supply Dam; and 25 sq mi surface area of Canton Lake.
5/ To provide a uniform presentation of data from all sedimentation resurveys of Canton Lake, data summaries for the 1953 and 1959 resurveys have been revised to conform with present instructions.
6/ Includes above crest deposits.

48. AGENCY MAKING SURVEY US Army Engineers, Tulsa

49. AGENCY SUPPLYING DATA US Army Engineers, Tulsa

50. DATE 10 November 1980