

TENNESSEE VALLEY AUTHORITY
 RESERVOIR SEDIMENTATION
 DATA SUMMARY

Great Falls
 NAME OF RESERVOIR

HYDRAULIC DATA BRANCH
 18-3
 DATA SHEET NO.

75% 319
 115% 315

DAM	1. OWNER TVA		2. RIVER Caney Fork		3. STATE Tennessee		
	4. SEC. TWP. RANGE		5. NEAREST TOWN Rock Island		6. COUNTY Warren-White		
	7. STREAM BED ELEV. 725		8. TOP OF DAM ELEV. 823.7		9. SPILLWAY CREST ELEV. 1/804.9		
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					12/8/16	
	b. POWER	804.9	2,270	19,100	54,500		
	c. MULTIPLE USE					16. DATE NORMAL OPER. BEGAN	
	d. INACTIVE	762	390	5,100	5,100	12/1916	
17. LENGTH OF RESERVOIR 22 MILES			AV. WIDTH OF RESERVOIR 0.08 MILES				
WATERSHED	18. TOTAL DRAINAGE AREA 1675 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 53.3(12) INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 1671 SQ. MI.		23. MEAN ANNUAL RUNOFF 26.1(26) INCHES				
	20. LENGTH 16 MILES AV. WIDTH 36 MILES		24. MEAN ANNUAL RUNOFF 2,331,000 AG.-FT.				
	21. MAX. ELEV. 2100 MIN. ELEV. 725		25. CLIMATIC CLASSIFICATION Humid				
	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
Dec. 8, 1916 Sep. 1935 Aug. 13, 1947			Range Range (D)	84 80	2270 Not Computed Not Computed	54,500	
26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-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	
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

1/ Top of gates.
 2/ Caney Fork arm. Collins River arm 13 miles and Rocky River arm 11 miles.

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.
1939	818.67	779.90	2,447,751	1945	806.12	763.14	2,232,437
1940	805.88	761.98	1,404,028	1946	805.95	764.00	2,610,774
1941	806.25	765.34	865,796	1947	806.95	773.29	1,841,097
1942	806.15	764.31	1,316,227	1948	808.30	765.00	1,907,649
1943	806.00	766.02	2,053,059	1949	806.48	782.34	2,936,445
1944	806.12	763.10	1,954,989	1950	806.18	783.80	3,041,404
				1951	807.30	784.01	2,357,955

46. ELEVATION-AREA-CAPACITY DATA (1916)								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
755	260	2,900	800	1,950	44,100			
760	350	4,400	804.9	2,270	54,500			
770	580	8,900						
780	910	16,100						
790	1,360	27,800						

47. REMARKS AND REFERENCES
 Dam raised 35 feet in 1925.

48. AGENCY SUPPLYING DATA
 TENNESSEE VALLEY AUTHORITY
 HYDRAULIC DATA BRANCH

49. DATE March 1, 1952

TENNESSEE VALLEY AUTHORITY
RESERVOIR SEDIMENTATION
DATA SUMMARY

Great Falls

HYDRAULIC DATA BRANCH
18-3a
DATA SHEET NO.

NAME OF RESERVOIR

DAM	1. OWNER TVA			2. RIVER Caney Fork			3. STATE Tennessee									
	4. SEC. TWP. RANGE			5. NEAREST TOWN Rock Island			6. COUNTY Warren-White									
	7. STREAM BED ELEV. 725			8. TOP OF DAM ELEV. 823.7			9. SPILLWAY CREST ELEV. 1/805.16									
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				2/		2/		2/							
	b. POWER		805.16		2,098		50,782		54,925		12/18/16					
	c. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN					
	d. INACTIVE		762.16		450		4,143		4,143							
											12/19/16					
WATERSHED	17. LENGTH OF RESERVOIR 3/ 22 MILES			AV. WIDTH OF RESERVOIR 0.08 MILES												
	18. TOTAL DRAINAGE AREA 1,675 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 52.4(21) INCHES												
	19. NET SEDIMENT CONTRIBUTING AREA 1,671 SQ. MI.			23. MEAN ANNUAL RUNOFF 26.1(26) INCHES												
	20. LENGTH 46 MILES		AV. WIDTH 36 MILES		24. MEAN ANNUAL RUNOFF 2,311,000 AC.-FT.											
	21. MAX. ELEV. 2,400		MIN. ELEV. 725		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.	
	Sept. 1935		0		0		Range		84		2,098		54,925		33	
	Aug. 13, 1947		12.0		12.0		Range		76		2,098		52,370		31	
	Jan. 27, 1954		6.4		18.4		Range		76		2,098		51,836		31	
							(D)									
	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			
	Aug. 13, 1947		51.0		2,006,460		2,586,220		24,077,524		2,006,460		24,077,524			
	Jan. 27, 1954		55.1		2,394,248		3,132,791		15,323,188		2,141,343		39,400,712			
	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		b. AV. ANNUAL		c. PER SQ. MI.-YEAR				
Aug. 13, 1947		2,555		213		0.127		2,555		213		0.127				
Jan. 27, 1954		534		83		0.050		3,089		168		0.101				
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		
Aug. 13, 1947		60*		166		166		0.388		4.652		102		102		
Jan. 27, 1954		60*		65		132		0.306		5.624		33.5		75.4		

1/ Top of Gates. (Revised Elevation Datum)

2/ From first accurate area-volume curve. 1935 data.

3/ Caney Fork Arm. Collins River Arm - 13 miles. Rocky River Arm - 11 miles.

* Assumed.

25. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION											
	16-60	60-50	50-40	40-30	30-20	20-10	10-Top of Gates					
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												
Aug. 13, 1947	4	11	19	23	19	13	11					
Jan. 27, 1954	3	9	18	21	16	18	15					

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															
Aug. 13, 1947	4/61	3	3	4	7	5	5/11	5	1	0					
Jan. 27, 1954	4/64	3	4	3	4	3	5/13	4	1	1					

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.
1935	818.67	799.90	2,447,751	1947	806.95	773.29	1,841,097
1940	805.88	761.98	1,404,028	1948	808.30	765.00	1,907,649
1941	806.25	765.34	865,796	1949	806.48	782.34	2,936,445
1942	806.15	764.31	1,316,227	1950	806.18	783.80	3,041,404
1943	806.00	766.02	2,053,059	1951	807.30	784.01	2,357,955
1944	806.12	763.10	1,954,989	1952	806.39	781.91	2,425,557
1945	806.12	763.14	2,232,437	1953	806.00	764.98	1,750,153
1946	805.95	764.00	2,610,774	1954	805.89	761.58	1,868,082

46. ELEVATION-AREA-CAPACITY DATA (1935)								
ELEVATION	AREA (acres)	CAPACITY (ac-ft)	ELEVATION	AREA (acres)	CAPACITY (ac-ft)	ELEVATION	AREA (acres)	CAPACITY (ac-ft)
733.5	0	0	770	684	8,480			
735	7	5	775	837	12,240			
740	24	81	780	1,008	16,825			
745	55	262	785	1,194	22,302			
750	124	673	790	1,392	28,753			
755	265	1,598	795	1,604	36,231			
760	376	3,173	800	1,825	44,802			
765	546	5,419	805.16	2,098	54,925			

47. REMARKS AND REFERENCES

4/ Collins and Rocky River tributaries included.

5/ Calfkiller River Tributary included.

Dam raised 35 feet in 1925.

48. AGENCY SUPPLYING DATA
 TENNESSEE VALLEY AUTHORITY
 HYDRAULIC DATA BRANCH

49. DATE **September 1, 1966**

TENNESSEE VALLEY AUTHORITY
RESERVOIR SEDIMENTATION
DATA SUMMARY

Great Falls
NAME OF RESERVOIR

HYDRAULIC DATA BRANCH
18-3b
DATA SHEET NO.

DAM	1. OWNER TVA			2. RIVER Caney Fork			3. STATE Tennessee							
	4. SEC. TWP.		RANGE		5. NEAREST TOWN			6. COUNTY Warren-White						
	7. STREAM BED ELEV. 725			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 1/805.16							
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				2/		2/		2/					
	b. POWER		805.16		2,098		50,782		54,925		12/18/16			
	c. MULTIPLE USE													
	d. INACTIVE		762.16		450		4,143		4,143		16. DATE NORMAL OPER. BEGAN			
											12/19/16			
WATERSHED	17. LENGTH OF RESERVOIR 3/				22		MILES		AV. WIDTH OF RESERVOIR 0.08			MILES		
	18. TOTAL DRAINAGE AREA				1675		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 52.4(21)				INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				1671		SQ. MI.		23. MEAN ANNUAL RUNOFF 26.1(26)				INCHES	
	20. LENGTH 46		MILES		AV. WIDTH 36		MILES		24. MEAN ANNUAL RUNOFF 2,311,000				AC.-FT.	
	21. MAX. ELEV. 2,400		MIN. ELEV. 725		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.		
	Sept. 2, 1960		6.6	25.0	Range	67		2,098		51,591		31		
					(D)									
	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	e. TOTAL TO DATE				
	Sept. 2, 1960		54.1		2,222,822	2,761,790	14,670,625		2,162,853	54,071,337				
	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				
	Sept. 2, 1960		245		37	0.022	3,334		133	0.080				
	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					
Sept. 2, 1960		60*		29	105	0.242	6.070	16.1	59.3					

1/ Top of Gates (Revised Elevation Datum)

2/ From first accurate area-volume curve. 1935 data.

3/ Caney Fork Arm. Collins River Arm - 13 miles. Rocky River Arm - 11 miles.

* Assumed.

25. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION											
	71-60	60-50	50-40	40-30	30-20	20-10	10-Top of Gates					
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
Sept. 2, 1960	3	11	21	22	16	14	13					

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														
Sept. 2, 1960	4/63	5	5	3	3	3	5/12	5	1	0					

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.
1955	806.14	780.59	2,404,180				
1956	805.97	780.79	2,305,073				
1957	805.92	780.76	2,342,831				
1958	805.98	781.37	2,761,790				
1959	805.95	784.15	1,689,349				
1960	805.96	784.28	2,180,319				

46. ELEVATION-AREA-CAPACITY DATA (1935)								
ELEVATION	AREA (acres)	CAPACITY (ac-ft)	ELEVATION	AREA (acres)	CAPACITY (ac-ft)	ELEVATION	AREA (acres)	CAPACITY (ac-ft)
733.5	0	0	770	684				
735	7	5	775	837				
740	24	81	780	1,008				
745	55	262	785	1,194				
750	124	673	790	1,392				
755	265	1,598	795	1,604				
760	376	3,173	800	1,825				
765	546	5,419	805.16	2,098				

47. REMARKS AND REFERENCES

4/ Collins and Rocky River tributaries included.

5/ Calfkiller River tributary included.

Dam raised 35 feet in 1925.

For preceding data see Sheet No. 18-3

48. AGENCY SUPPLYING DATA

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

49. DATE September 1, 1966

RESERVOIR SEDIMENT
DATA SUMMARY

Great Falls
NAME OF RESERVOIR

18-3c
DATA SHEET NO.

DAM	1. OWNER TVA			2. STREAM Caney Fork			3. STATE Tennessee				
	4. SEC. TWP. RANGE			5. NEAREST POST OFF. Rock Island			6. COUNTY Warren-White				
	7. LAT. 35° 48' 07" LONG. 85° 37' 20"			8. TOP OF DAM ELEVATION 823.7			9. SPILLWAY CREST ELEV. 1/805.16				
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				2/		2/		2/		12/18/16
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN
	c. POWER		805.16		2,098		50,782		54,925		12/19/16
	d. WATER SUPPLY										
	e. IRRIGATION										
	f. CONSERVATION										
WATERSHED	g. INACTIVE		762.16		450		4,143		4,143		
	17. LENGTH OF RESERVOIR 22 MILES				AV. WIDTH OF RESERVOIR 0.08 MILES						
	18. TOTAL DRAINAGE AREA 1,675 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 52.9 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 1,671 SQ. MI.				23. MEAN ANNUAL RUNOFF 25.2 INCHES						
	20. LENGTH 46 MILES		AV. WIDTH 36 MILES		24. MEAN ANNUAL RUNOFF 2,252,850 AC.-FT.						
21. MAX. ELEV. 2,400			MIN. ELEV. 725			25. ANNUAL TEMP.; MEAN 60° RANGE 0° to 96°					
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.		
	Sept. , 1935		0	0	Range	84	2,098	54,925	.024		
	Sept. 2, 1960		6.6	25.0	Range	67	2,098	51,591	.022		
	Nov. 5, 1969		9.2	34.2	Range	55	2,098	51,281	.023		
	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		
	Sept. 2, 1960		54.1		2,222,822	2,761,790	14,670,625	2,162,853	54,071,337		
	Nov. 5, 1969		52.2		2,085,940	2,927,392	19,190,650	2,142,163	73,261,487		
	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			
Sept. 2, 1960		245	37	0.022	3,334	133	0.080				
Nov. 5, 1969		310	34	0.020	3,644	107	0.064				
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. TOTAL TO DATE	b. PERIOD	a. AV. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE			
Sept. 2, 1960		60*	105	29	0.242	6.070	16.1	59.3			
Nov. 5, 1969		60*	84	26	0.195	6.635	15.3	47.8			

*Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION							
	71-70	60-50	50-40	40-30	30-20	20-10	10-Top of gates	
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION							
Sept. 2, 1960	3	11	21	22	16	14	13	
Nov. 5, 1969	3	11	23	24	16	14	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														
Sept. 2, 1960	63	5	5	3	3	3	12	5	1	0					
Nov. 5, 1969	61	5	6	5	5	4	9	4	1	0					
	4/						5/								

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.
1955	806.14	780.59	2,404,180	1967	806.10	783.10	2,004,700
1956	805.97	780.79	2,305,073	1968	806.33	782.83	2,205,196
1957	805.92	780.76	2,342,831	1969	806.05	773.70	1,638,700
1958	805.98	781.37	2,761,790				
1959	805.95	784.15	1,689,349				
1960	805.96	784.28	2,180,319				
1961	805.99	784.48	2,480,521				
1962	806.05	782.54	2,927,392				
1963	806.08	784.05	2,049,392				
1964	806.44	782.30	2,027,798				
1965	806.03	787.03	2,423,746				
1966	806.90	784.20	1,336,722				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
		1935			1969			
733.5	0	0			0			
740	24	81			16			
750	124	673			420			
760	376	3,173			2,260			
770	684	8,480			6,651			
780	1,008	16,825			14,287			
790	1,392	28,753			25,720			
800	1,825	44,802			41,235			
805.16	2,098	54,925			51,581			

47. REMARKS AND REFERENCES

1/ Top of gate (Revised Elevation Datum). Dam raised 35 feet in 1925.

2/ From first accurate area-volume curve, 1935 data.

3/ Cancy Fork arm, Collins River arm-13 miles, Rocky River arm-11 miles.

4/ Collins and Rocky River tributaries included.

5/ Calfkiller River tributary included.

For preceding data see Sheet No. 18-3a.