

RESERVOIR SEDIMENT  
DATA SUMMARY

Ocoee #3  
NAME OF RESERVOIR

20-21b (revised)  
DATA SHEET NO.

DAM	1. OWNER TVA			2. STREAM Ocoee			3. STATE Tennessee					
	4. SEC. TWP. RANGE			5. NEAREST POST OFF. Ducktown			6. COUNTY Polk					
	7. LAT. 35° 02' 26" LONG. 84° 27' 00"			8. TOP OF DAM ELEVATION 1,443			9. SPILLWAY CREST ELEV. 1/ 1,435					
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL 1/		12. ORIGINAL SURFACE AREA ACRES		13. ORIGINAL CAPACITY ACRE-FEET		14. GROSS STORAGE ACRE-FEET		15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL										8/15/42	
	b. MULTIPLE USE		1/									
	c. POWER		1,435		621		11,104		14,304		16. DATE NORMAL OPER. BEGAN	
	d. WATER SUPPLY											
	e. IRRIGATION										4/30/43	
	f. CONSERVATION											
g. INACTIVE		1,405		160		3,200		3,200				
WATERSHED	17. LENGTH OF RESERVOIR 7 MILES				AV. WIDTH OF RESERVOIR 0.1 MILES							
	18. TOTAL DRAINAGE AREA 496 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 61.3 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 263 SQ. MI.				23. MEAN ANNUAL RUNOFF 31.5 INCHES							
	20. LENGTH 74 MILES		AV. WIDTH 7 MILES		24. MEAN ANNUAL RUNOFF 832,600 AC.-FT.							
	21. MAX. ELEV. 4,081		MIN. ELEV. 1,345		25. ANNUAL TEMP.; MEAN 58 RANGE 1° - 97°							
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.			
	8-15-42		0	0	Range (D)	22	621	14,304				
	7-25-45		2.9	2.9	Range (D)	16	3/	12,140				
	11-20-46		1.3	4.2	Range (D)	21		11,349				
	8-23-48		1.8	6.0	Range (D)	30		10,570				
	8-18-50		2.0	8.0	Range (D)	31		9,849				
	7-28-53		3.0	11.0	Range (D)	31		8,696				
	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					
	7-25-45		58.3	630,693	1,829,010	630,693	1,829,010					
	11-20-46		69.7	1,113,131	1,234,147	780,019	3,276,080					
	8-23-48		60.9	709,272	782,632	758,795	4,552,770					
	8-18-50		71.5	965,436	1,018,882	810,455	6,483,642					
	7-28-53		61.4	765,805	899,261	798,278	8,781,059					
	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					
7-25-45		2,164	746	2.84	2/ 2,164	746	2.84					
11-20-46		791	608	2.31	2,955	704	2.68					
8-23-48		779	433	1.65	3,734	622	2.37					
8-18-50		721	361	1.37	4,455	557	2.12					
7-28-53		1,153	384	1.46	5,608	510	1.94					
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					
7-25-45		64*	3,959	3,959	5.22	15.1	1,214	1,214				
11-20-46		64*	3,736	3,220	4.92	20.7	560	925				
8-23-48		64(15)	3,304	2,300	4.35	26.1	628	820				
8-18-50		64*	2,955	1,910	3.89	31.1	383	705				
7-28-53		64*	2,704	2,035	3.57	39.2	514	655				

\*Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION									
	87-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Top of Hashborads	
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION									
7-25-45	2	4	1	5	3	7	17	41	20	
11-20-46	1	3	1	4	3	6	19	38	25	
8-23-48	1	2	1	4	2	7	21	38	24	
8-18-50	1	2	1	3	2	8	20	38	25	
7-28-53	1	2	1	3	2	9	22	36	24	

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														
7-25-45	9	6	4	9	25	24	15	4	3	1					
11-20-46	7	5	6	16	24	21	14	4	2	1					
8-23-48	6	5	10	19	24	18	11	4	2	1					
8-18-50	5	6	14	20	23	16	10	3	2	1					
7-28-53	5	11	19	18	19	13	9	3	2	1					

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.
1944	1,435.90	1,410.48	752,430				
1945	1,435.15	1,414.66	616,032				
1946	1,436.70	1,414.45	1,234,147				
1947	1,435.50	1,417.69	782,632				
1948	1,435.25	1,420.43	679,125				
1949	1,435.55	1,414.98	929,668				
1950	1,436.94	1,415.88	1,018,882				
1951	1,435.52	1,424.16	702,478				
1952	1,435.78	1,419.62	899,261				
1953	1,435.34	1,414.57	698,303				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
	1942		1,398	112	2,253	1,363	3/	0
1,347.6	0	0	1,403	143	2,875	1,368		93
1,353	7	24	1,408	184	3,682	1,378		449
1,363	20	155	1,413	250	4,763	1,388		895
1,368	31	283	1,318	329	6,187	1,398		1,638
1,373	42	466	1,423	427	8,067	1,408		2,417
1,378	53	702	1,428	510	10,403	1,418		3,363
1,383	63	992	1,435	621	14,304	1,423		4,263
1,388	75	1,338	1,435		1953	1,428		5,526
1,393	91	1,746	1,347.6		0	1,435		8,696

47. REMARKS AND REFERENCES

- 1/ Top of gates. Normal maximum pool level elev. 1,435; normal minimum pool level elev. 1,413; centerline of intake to turbine elev. 1,405; centerline of sluice gates elev. 1,382.5.
- 2/ A small retention dam failed in March 1944 flushing approximately 553 acre-feet of tailings into the reservoir. Sediment volumes for the 1945 and succeeding dates include these tailings.
- 3/ Not measured or computed after initial survey.

RESERVOIR SEDIMENT  
DATA SUMMARY

Ocoee #3  
NAME OF RESERVOIR

20-21c (revised)  
DATA SHEET NO.

DAM	1. OWNER TVA		2. STREAM Ocoee		3. STATE Tennessee			
	4. SEC. TWP. RANGE		5. NEAREST POST/OFF. Ducktown		6. COUNTY Polk			
	7. LAT. 35° 02' 26" LONG. 84° 27' 00"		8. TOP OF DAM ELEVATION 1448		9. SPILLWAY CREST ELEV. 1/1,435			
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					8/15/42		
	b. MULTIPLE USE					16. DATE NORMAL OPER. BEGAN		
	c. POWER	1435	621	11,104	14,304	4/30/43		
	d. WATER SUPPLY							
	e. IRRIGATION							
	f. CONSERVATION							
WATERSHED	g. INACTIVE	1405	160	3,200	3,200			
	17. LENGTH OF RESERVOIR 7 MILES			AV. WIDTH OF RESERVOIR 0.1 MILES				
	18. TOTAL DRAINAGE AREA 496 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 61.2 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 263 SQ. MI.			23. MEAN ANNUAL RUNOFF 31.5 INCHES				
	20. LENGTH 74 MILES	AV. WIDTH 7 MILES	24. MEAN ANNUAL RUNOFF 833,200 AC.-FT.	25. ANNUAL TEMP.: MEAN 58	RANGE 1° - 97°			
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.
	8-15-42	0	0	Range (D)	22	621	14,304	
	10-06-55	2.1	13.1	Range (D)	30	3/	8,042	
	10-03-58	3.0	16.1	Range (D)	30		6,766	
	10-19-60	2.0	18.1	Range (D)	30		5,920	
	6-18-62	1.8	19.9	Range (D)	30		5,286	
	9-02-65	3.2	23.1	Range (D)	30		4,653	
	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	
	10-06-55	57.7	685,484	698,303	1,440,281	780,255	10,221,340	
	10-03-58	66.3	783,012	865,705	2,349,035	780,769	12,570,375	
	10-19-60	61.9	681,645	710,170	1,363,307	769,817	13,933,682	
	6-18-62	70.0	826,221	956,202	1,487,197	774,919	15,420,879	
	9-02-65	66.2	954,619	997,157	2,734,782	785,959	18,155,661	
	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	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR	
	10-06-55	654	311	1.183	6,262	478	1.818	
10-03-58	1,276	425	1.616	7,538	468	1.780		
10-19-60	846	423	1.608	8,384	463	1.761		
6-18-62	634	352	1.388	9,018	453	1.723		
9-02-65	633	198	0.752	9,651	418	1.589		
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	
10-06-55	64*	2,534	1,649	3.34	43.8	466	628	
10-03-58	64*	2,481	2,253	3.27	52.7	577	615	
10-19-60	64*	2,455	2,242	3.24	58.6	636	617	
6-18-62	64*	2,402	1,865	3.17	63.0	440	600	
9-02-65	64*	2,215	1,048	2.92	67.5	237	545	

\* Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION									
	87-80	20-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Top of gates	
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION									
10-06-55	1	2	1	3	3	8	20	36	26	
10-03-58	1	2	3	3	6	11	18	31	25	
10-19-60	0	2	4	4	6	10	20	29	25	
6-18-62	0	2	4	4	5	10	18	33	24	
10-02-65	0	2	4	6	7	9	18	29	25	

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														
10-06-65	5	12	21	17	20	12	8	3	1	1					
10-03-58	10	16	18	15	18	10	7	3	2	1					
10-19-60	13	19	17	14	17	10	6	3	1	0					
6-18-62	13	20	17	13	16	9	8	2	2	0					
10-02-65	17	20	16	13	16	9	6	2	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.
1954	1,435.36	1,416.96	675,776	1964	1,435.10	1,420.82	997,157
1955	1,435.80	1,417.61	642,241	1965	1,435.99	1,415.85	828,244
1956	1,435.51	1,413.72	681,642				
1957	1,435.40	1,415.07	806,588				
1958	1,435.44	1,419.8*	865,705				
1959	1,435.08	1,413.11	639,139				
1960	1,435.60	1,410.90	710,170				
1961	1,436.17	1,409.30	734,982				
1962	1,435.42	1,411.90	956,202				
1963	1,435.05	1,307.0*	766,295				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
		1960	1,413		1,339	1,388		35
1,347.6	3/	0	1,410		1,666	1,393		95
1,373		0	1,423		1,341	1,398		201
1,378		53	1,428		3,312	1,403		388
1,383		216	1,435		5,920	1,408		583
1,388		385				1,413		793
1,393		560				1,418		1,047
1,398		740			1965	1,423		1,423
1,403		928	1,347.6	3/	0	1,428		2,225
1,408		1,123	1,383		0	1,435		4,653

47. REMARKS AND REFERENCES

1/ Top of gates. Normal maximum pool level elev. 1,435; normal minimum pool level elev. 1,413; centerline of intake to turbins elev. 1,405; centerline of sluice gates elev. 1,382.5.

3/ Not measured or computed after initial survey.

For preceding data, see Sheet 20-21b (revised).

RESERVOIR SEDIMENT  
DATA SUMMARY

Ocoee #3  
NAME OF RESERVOIR

20-21d (revised)  
DATA SHEET NO.

DAM	1. OWNER TVA			2. STREAM Ocoee			3. STATE Tennessee									
	4. SEC. TWP. RANGE			5. NEAREST POST OFF. Ducktown			6. COUNTY Polk									
	7. LAT. 35° 02' 26" LONG. 84° 27' 00"			8. TOP OF DAM ELEVATION 1,443			9. SPILLWAY CREST ELEV. 1/ 1,435									
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		1/								8/15/42					
	b. MULTIPLE USE		1,435		621		11,104		14,304							
	c. POWER										16. DATE NORMAL OPER. BEGAN					
	d. WATER SUPPLY															
	e. IRRIGATION										4/30/43					
	f. CONSERVATION															
g. INACTIVE		1,405		160		3,200		3,200								
WATERSHED	17. LENGTH OF RESERVOIR 7 MILES				AV. WIDTH OF RESERVOIR 0.1 MILES											
	18. TOTAL DRAINAGE AREA 496 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 61.04 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 263 SQ. MI.				23. MEAN ANNUAL RUNOFF 31.27 INCHES											
	20. LENGTH 74 MILES; AV. WIDTH 7 MILES				24. MEAN ANNUAL RUNOFF 827,144 AC.-FT.											
	21. MAX. ELEV. 4,081 MIN. ELEV. 1,345				25. ANNUAL TEMP.; MEAN 58° RANGE 1° - 97°											
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.	
	8-15-42		0		0		Range (D)		22		604		14,304			
	3-28-68		26		25.6		Range (D)		31		3/		4,026			
	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			
	3-28-68		63.3		768,584		933,624		1,998,319		787,265		20,153,980			
	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			
	3-28-68		627		241		0.916		10,278		401		1.527			
	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		
3-28-68		64*		2,129		1,277		2.80		71.9		322		523		

\*Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION										
	87-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Top of gates		
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION										
3-28-68	0	2	3	5	8	11	18	29	24		

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														
3-28-68	20	20	15	12	15	9	6	2	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.
1966	1,434.98	1,412.93	680,563				
1967	1,435.55	1,419.26	741,236				
1968	1,435.18	1,400.00	933,624				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
		1942	1,298	112	2,253			1968
1,347.6	0	0	1,403	143	2,875	1,393	3/	0
1,353	7	24	1,408	184	3,682	1,398		5
1,363	20	155	1,413	250	4,763	1,403		59
1,368	31	283	1,418	329	6,187	1,408		131
1,373	42	466	1,423	427	8,067	1,413		276
1,378	53	702	1,428	510	10,403	1,418		497
1,383	63	992	1,435	621	14,304	1,423		872
1,388	75	1,338				1,428		1,612
1,393	91	1,746				1,435		4,026

47. REMARKS AND REFERENCES

1/ Top of gates. Normal maximum pool level elev. 1,435; normal minimum pool level elev. 1,413; centerline of intake to turbines elev. 1,405; centerline of sluice gates elev. 1,382.5.

3/ Not measured or computed after initial survey.

For preceding data see Sheets 20-21 b and c (revisions).

RESERVOIR SEDIMENT  
DATA SUMMARY

Ocoee #3  
NAME OF RESERVOIR

20-21e (revised)  
DATA SHEET NO.

DAM	1. OWNER TVA			2. STREAM Ocoee			3. STATE Tennessee					
	4. SEC. TWP. RANGE			5. NEAREST POST OFF. Ducktown			6. COUNTY Polk					
	7. LAT. 35° 02' 26" LONG. 84° 27' 00"			8. TOP OF DAM ELEVATION 1,448			9. SPILLWAY CREST ELEV. 1/ 1,435					
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										8/15/42	
	b. MULTIPLE USE		1/								16. DATE NORMAL OPER. BEGAN	
	c. POWER		1,435		621		11,104		14,304			
	d. WATER SUPPLY											
	e. IRRIGATION											
	f. CONSERVATION										4/30/43	
g. INACTIVE		1,405		160		3,200		3,200				
WATERSHED	17. LENGTH OF RESERVOIR 7 MILES				AV. WIDTH OF RESERVOIR 0.1 MILES							
	18. TOTAL DRAINAGE AREA 496 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 61.0 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 263 SQ. MI.				23. MEAN ANNUAL RUNOFF 30.96 INCHES							
	20. LENGTH 74 MILES		AV. WIDTH 7 MILES		24. MEAN ANNUAL RUNOFF 812,385 AC.-FT.							
	21. MAX. ELEV. 4,081		MIN. ELEV. 1,345		25. ANNUAL TEMP.: MEAN 58 RANGE 1° - 97°							
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.			
	8-15-42		0	0	Range (D)	22	621	14,304				
	6-14-72		4.2	29.8	Range (D)	30	3/	3,879				
	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			
	1-14-72		61.2		747,549	859,984	3,139,706	781,667	23,293,686			
	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				
	1-14-72		148	35	0.133	10,425	350	1.33				
	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				
1-14-72		64*	1,854	185	2.45	72.9	4/	4/				

\*Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION										
	87-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Top of gates		
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION										
1-14-72	0	2	3	5	9	12	18	27	24		

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														
1-14-72	20	19	15	13	15	9	6	2	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.
1969	1,435.10	1,386.00	701,810				
1970	1,435.28	1,422.87	632,328				
1971	1,435.05	1,390.00	770,790				
1972	1,435.12	1,390.00	859,984				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
		1942	1,393	91	1,746			1972
1,347.6	0	0	1,398	112	2,253	1,347.6	3/	0
1,353	7	24	1,403	143	2,875	1,398		0
1,358	13	73	1,408	184	3,682	1,403		10
1,363	20	155	1,413	250	4,763	1,408		65
1,368	31	283	1,418	329	6,187	1,413		180
1,373	42	466	1,423	427	8,067	1,418		422
1,378	53	702	1,428	510	10,403	1,423		846
1,383	63	992	1,435	621	14,304	1,428		1,552
1,388	75	1,338				1,435		3,879

47. REMARKS AND REFERENCES

1/ Top of gates. Normal maximum pool level elev. 1,435; normal minimum pool level elev. 1,413; centerline of intake to turvines elev. 1,405; centerline of sluice gates elev. 1,302.5.

3/ Not measured or computed after initial survey.

4/ The trap efficiency of this reservoir has been reduced due to extended operation of sediment sluice gates and reduction in storage volume.

For preceding data see Sheets 20-21b, c, and d (revisions).