

RESERVOIR SEDIMENTATION
DATA SUMMARY

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Miller-Pitzer-Dillon			2. RIVER Trib. of Mule Cr.		3. STATE Iowa		
	4. SEC. 34 TWP. 72N RANGE 42W			5. NEAREST TOWN Malvern		6. COUNTY Mills		
	7. STREAM BED ELEV. 1,140.2			8. TOP OF DAM ELEV. 1,165.0		9. SPILLWAY CREST ELEV. 1,163.0		
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		
	a. FLOOD CONTROL	1,163.00	4.812	32.786	43.942	July 1954		
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	e. CONSERVATION					July 1954		
	f. INACTIVE 1/	1,157.09	2.270	11.156	11.156			
WATERSHED	17. LENGTH OF RESERVOIR 0.154 MILES			18. AV. WIDTH OF RESERVOIR 0.072 MILES				
	19. TOTAL DRAINAGE AREA 0.188 SQ. MI.			20. MEAN ANNUAL PRECIPITATION 28.65 INCHES				
	21. NET SEDIMENT CONTRIBUTING AREA 0.177(0.184) SQ. MI.			22. MEAN ANNUAL RUNOFF 3.96 2/ INCHES				
	23. LENGTH 0.50 MILES		24. AV. WIDTH 0.376 MILES		25. MEAN ANNUAL RUNOFF 39.6 2/ AC.-FT.			
	26. MAX. ELEV. 1,240.0		27. MIN. ELEV. 1,140.2		28. CLIMATIC CLASSIFICATION Sub-humid			
SURVEY DATA	29. DATE OF SURVEY	30. PERIOD YEARS	31. ACCL. YEARS	32. TYPE OF SURVEY	33. NO. OF RANGES OR CONTOUR INT.	34. SURFACE AREA ACRES	35. CAPACITY ACRE- FEET	36. %W RATIO AC.-FT. PER SQ. MI.
	July 1954	-	-	Range	8	7.08(2.27)	43.9(11.2)	234(59)
	Oct. 1956	2.33	2.33	"	"	" "	42.0(9.31)	224(50)
	Sept. 1957	0.92	3.25	"	"	" "	40.2(7.86)	214(42)
	Oct. 1958	1.08	4.33	"	"	" "	39.6(7.81)	211(42)
	Jan. 1960	1.33	5.66	"	"	" "	38.9(7.10)	207(38)
	Dec. 1960	0.92	6.58	"	"	" "	36.5(5.40)	194(29)
	37. DATE OF SURVEY	38. PERIOD ANNUAL PRECIPITATION	39. PERIOD WATER INFLOW ACRE- FEET			40. WATER INFL. TO DATE AC.-FT.		
	Cal. Yr.		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	d. MEAN ANNUAL	e. TOTAL TO DATE	
	1954	40.73 3/						
	1955	20.91 3/						
	1956	28.56 3/						
	1957	38.80 3/						
	1958	36.15						
	1959	42.87						
41. DATE OF SURVEY	42. PERIOD SEDIMENT DEPOSITS ACRE- FEET			43. 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		
Oct. 1956	1.91(1.85)	0.82(0.79)	4.63(4.29)	1.91(1.85)	0.82(0.79)	4.63(4.29)		
Sept. 1957	1.86(1.45)	2.02(1.58)	11.4(8.59)	3.77(3.30)	1.16(1.02)	6.55(5.54)		
Oct. 1958	0.59(0.05)	0.55(0.05)	3.11(0.27)	4.36(3.35)	1.01(0.77)	5.71(4.18)		
Jan. 1960	0.70(0.71)	0.53(0.53)	2.99(2.88)	5.06(4.66)	0.89(0.72)	5.03(3.91)		
Dec. 1960	2.36(1.69)	2.56(1.84)	14.5(10.0)	7.41(5.76)	1.13(0.87)	6.38(4.73)		
44. DATE OF SURVEY	45. AV. DRY WGT. LBS. PER CU. FT.	46. SED. DEP. TONS PER SQ. MI.-YR.		47. STORAGE LOSS PCT.		48. SED. INFLOW PPM		
		a. PERIOD	b. TOTAL TO DATE	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE	
Oct. 1956	73.4(3)	7.4(6.9)	7.4(6.9)	1.9(7.1)	4.3(17)			
Sept. 1957	73.4(2)	18.2(13.7)	10.5(8.9)	2.6(9.1)	8.6(30)			
Oct. 1958	72.3(1)	4.9(0.4)	9.0(6.6)	2.3(7.0)	10.0(30)			
Jan. 1960	58.7(1)	3.8(3.7)	6.4(5.0)	2.0(6.5)	11.5(36)			
Dec. 1960	60.3(1)	19.0(13.1)	8.4(6.2)	2.6(7.8)	17.0(52)			

(Thousand Tons)

26. DATE OF SURVEY July 1954	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION												
	Inactive Pool			"F.C. Pool"									
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													
Oct. 1956	97%		3%										
Sept. 1957	88%		12%										
Oct. 1958	77%		23%										
Jan. 1960	80%		20%										
Dec. 1960	78%		22%										

26. DATE OF SURVEY July 1954	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															
Oct. 1956	28	27	21	14	4/7	1	1	0	0	1					
Sept. 1957	29	27	19	11	5	3	3	2	1	0					
Oct. 1958	28	25	16	10	7	5	5	2	2	0					
Jan. 1960	31	26	17	11	5	3	3	2	1	1					
Dec. 1960	32	26	18	10	5	4	3	1	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.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES Quantities shown in parenthesis (except item 39) refer to amounts in the inactive pool only.

1/ Storage used for sediment pool.

2/ Water years 1954-55 thru 1958-59 at gage 5.2 miles downstream.

3/ Amount partially estimated.

4/ Principal spillway elevation (1,157.09) ends at 47% of total length.

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

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Mule Creek "A"
NAME OF RESERVOIR

35-45 A
DATA SHEET NO.

DAM	1. OWNER Miller-Pitzer-Dillon			2. STREAM Trib. of Nishnabotna			3. STATE Iowa								
	4. SEC. 31 TWP. 72N RANGE 12W			5. NEAREST TOWN Malvern			6. COUNTY Mills								
	7. STREAM BED ELEVATION 1,110.2			8. TOP OF DAM ELEVATION 1,165.0			9. SPILLWAY CREST ELEV. 1,163.0								
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										16. DATE NORMAL OPER. BEGAN July 1954				
	b. FLOOD CONTROL		1,163.0		7.08		32.786		43.942						
	c. POWER														
	d. WATER SUPPLY														
	e. IRRIGATION										16. DATE NORMAL OPER. BEGAN July 1954				
	f. CONSERVATION														
	g. SEDIMENT		1,157.1		2.27		11.156		11.156						
h. INACTIVE															
17. LENGTH OF RESERVOIR 0.154				MILES				AV. WIDTH OF RESERVOIR 0.072				MILES			
18. TOTAL DRAINAGE AREA 0.188				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 28.65				INCHES			
19. NET SEDIMENT CONTRIBUTING AREA 0.177				SQ. MI.				23. MEAN ANNUAL RUNOFF 3.96				INCHES			
20. LENGTH 0.50		MILES		AV. WIDTH 0.38		MILES		24. MEAN ANNUAL RUNOFF 39.7		AC.-FT.					
21. MAX. ELEV. 1,240.0				MIN. ELEV. 1,110.2				25. CLIMATIC CLASSIFICATION Sub-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		33. C/W RATIO AC.-FT. PER SQ. MI.	
Feb. 1962		1.00 ^{5/}		7.58 ^{5/}		Range(D)		8		7.08(2.27)		36.0(5.01)		191	
Jan. 1963		0.92		8.5		"		"		"		34.7(4.46)		185	
Jan. 1964		1.00		9.5		"		"		"		35.54(6.23)		189	
Jan. 1965		1.00		10.5		"		"		"		34.45(374)		183	
Jan. 1966		1.0		11.5		"		"		"		31.97(183)		170	
26. DATE OF SURVEY cal. yr.		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			
1960		34.84 ^{8/}													
1961		34.03 ^{7/}													
1962		29.71 ^{8/}													
1963		25.17 ^{9/}													
1964		38.24 ^{10/}													
1965		47.31 ^{10/}													
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			
Feb. 1962		0.53(0.39)		0.53(0.39)		2.99(2.12)		7.94(6.15)		1.05(0.81)		5.93(4.40)			
Jan. 1963		1.28(0.55)		1.39(0.60)		7.85(3.26)		9.22(6.70)		1.08(0.79)		6.10(4.29)			
Jan. 1964		-0.82(-1.77)		-0.82(-1.77)		4.66(9.64)		8.40(4.92)		0.88(0.52)		4.97(2.83)			
Jan. 1965		1.10(2.50)		1.10(2.50)		6.20(3.58)		9.50(7.42)		0.90(0.71)		5.11(3.84)			
Jan. 1966		2.48(1.91)		2.48(1.91)		13.99(10.39)		11.97(9.33)		1.04(0.81)		5.88(4.41)			
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. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
Feb. 1962		60.3(1 ^{8/})		3.94(2.89)		7.80(5.80)		2.4(7.3)		181(55.1)					
Jan. 1963		69.5(1 ^{7/})		11.88(4.94)		9.23(6.50)		2.5(7.1)		210(60.1)					
Jan. 1964		60.3 ^{8/}		---		6.53(3.70)		2.0(1.2)		191(44.1)					
Jan. 1965		60.3 ^{8/}		8.14(7.83)		6.71(5.04)		2.0(6.3)		216(66.5)					
Jan. 1966		60.3 ^{8/}		18.37(13.65)		7.72(5.79)		24(7.3)		272(83.6)					

(Thousand Tons)

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION												
	"Sed't Pool"			"F.C. Pool"									
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												
Feb. 1962	77%		23%										
Jan. 1963	73%		27%										
Jan. 1964	59%		41%										
Jan. 1965	78%		22%										
Jan. 1966	78%		22%										

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														
Feb. 1962	32	28	17	11	4	3	3	1	1	0					
Jan. 1963	31	27	18	12	4	3	3	1	1	0					
Jan. 1964	31	27	16	11	6	4	3	1	1	0					
Jan. 1965	32	32 ⁶	13 ⁶	12 ⁵	33	2.5	2.0	0.8	0.5	0.2					
Jan. 1966	31	27	18	13	4	2	2	1	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.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES Quantities shown in parentheses (except item 39) refer to the sediment pool only.

5/adjusted to correct previous years' errors. 6/based on Dec. 1960 sample.
7/Station - Malvern 4W, partially estimated. 8/Station - Malvern 4W.
9/Station - Glenwood 8SSE 10/Station - Glenwood 2N
11/pond dry when surveyed

48. AGENCY MAKING SURVEY
49. AGENCY SUPPLYING DATA Soil Conservation Service 50. DATE March 1966

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Mule Creek "A"
NAME OF RESERVOIR

35-45 b'
DATA SHEET NO.

DAM	1. OWNER			2. STREAM Trib. of Nishna			3. STATE Iowa						
	4. SEC. 3 TWP. 72N RANGE 42W			5. NEAREST P.O. Malvern			6. COUNTY Mills						
	7. LAT 40° 59' 20" LONG. 95° 39' 42"			8. TOP OF DAM ELEVATION 1165			9. SPILLWAY CREST ELEV. 1163.0						
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		1163.0		4,812		32,680		43,681		July 1954		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION												
	f. CONSERVATION												
	g. INACTIVE 1/		1157.1		2,270		11,001		11,001		July 1954		
WATERSHED	17. LENGTH OF RESERVOIR 0.154 MILES				AV. WIDTH OF RESERVOIR 0.072 MILES								
	18. TOTAL DRAINAGE AREA 0.188 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 28.65 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 0.177 (.184) SQ. MI.				23. MEAN ANNUAL RUNOFF 3.96 INCHES								
	20. LENGTH 0.50 MILES		AV. WIDTH 0.376 MILES		24. MEAN ANNUAL RUNOFF 39.6 AC.-FT.								
	21. MAX. ELEV. 1240		MIN. ELEV. 1140.2		25. ANNUAL TEMP: MEAN RANGE								
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.	
	Mar. 1969		1.17	14.67	Range (D)		8	4.812 (2.27)		31.370 (1.666)		0.792 (0.042)	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.				
	Cal. Year 1968		32.966/		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							
	Mar. 1969		-0.491	-0.420	-2.372	12.311	0.839	4.740					
			-(0.247)	-(0.211)	-(1.147)	(9.335)	(0.636)	(3.457)					
	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				
	Mar. 1969		75.5		-3.900	7.794	1.921	28.184	a. PERIOD	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
			1969 Gamma probe weight		16.567 (12.848)	(5.685)	(5.781)	(84.856)					

(thousand tons)

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION												
	Inactive		F.O. Pool										
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												
Mar. 1969		75.8		24.2									

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														
Mar. 1969	28.3	28.2	19.9	14.3	3.7	2.2	1.8	0.9	0.6	0.1					

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

47. REMARKS AND REFERENCES

1/ Storage used for Sediment Pool
6/ Station - Glenwood 2NNW

NOTE: Lower figures (in parenthesis) are for reservoir area below principal spillway.

48. AGENCY MAKING SURVEY SCS
49. AGENCY SUPPLYING DATA SCS
50. DATE May 1970

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Mule Creek "A"
NAME OF RESERVOIR

35-15 B
DATA SHEET NO.

DAM	1. OWNER			2. STREAM <u>Trib of Nishnabotna</u>			3. STATE <u>Iowa</u>													
	4. SEC. <u>3</u> TWP. <u>72N</u> RANGE <u>42W</u>			5. NEAREST P. O. <u>Malvern</u>			6. COUNTY <u>Mills</u>													
	7. LAT. <u>40° 59' 20"</u> LONG. <u>95° 39' 42"</u>			8. TOP OF DAM ELEVATION <u>1,165.0</u>			9. SPILLWAY CREST ELEV. <u>1,163.0</u>													
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		<u>1,163.0</u>		<u>4.812</u>		<u>32.680</u>		<u>43.681</u>		July 1954									
	b. MULTIPLE USE																			
	c. POWER										16. DATE NORMAL OPER. BEGAN									
	d. WATER SUPPLY																			
	e. IRRIGATION										July 1954									
	f. CONSERVATION																			
	g. INACTIVE <u>1/</u>		<u>1,157.1</u>		<u>2.270</u>		<u>11.001</u>		<u>11.001</u>											
17. LENGTH OF RESERVOIR <u>0.154</u> MILES					AV. WIDTH OF RESERVOIR <u>0.072</u> MILES															
WATERSHED	18. TOTAL DRAINAGE AREA <u>0.188</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>28.65</u> INCHES															
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.177 (.184)</u> SQ. MI.				23. MEAN ANNUAL RUNOFF <u>3.96</u> INCHES															
	20. LENGTH <u>0.50</u> MILES				AV. WIDTH <u>0.376</u> MILES				24. MEAN ANNUAL RUNOFF <u>39.6</u> AC.-FT.											
	21. MAX. ELEV. <u>1240.0</u>				MIN. ELEV. <u>1140.2</u>				25. ANNUAL TEMP: MEAN RANGE											
	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.					
Jan. 1967		1.0		12.5		Range "D"		8		7.08 (2.27)		32.810 (2.203)		0.828 (0.056)						
Jan. 1968		1.0		13.5		Range "D"		8		7.08 (2.27)		30.879 (1.419)		0.780 (0.036)						
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								
Cal. Year																				
1966		19.99 <u>6/</u>																		
1967		37.94 <u>6/</u>																		
SURVEY DATA	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		
	Jan. 1967		-1.101 (-0.531)			-1.101 (-0.531)			-6.220 (-2.886)			10.871 (8.798)			0.870 (0.704)			4.915 (3.826)		
	Jan. 1968		1.931 (0.784)			1.931 (0.784)			10.910 (4.261)			12.802 (9.582)			0.948 (0.710)			5.356 (3.859)		
	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			
Jan. 1967		60.3 (1) 1961 Weight			-8.169 (-3.790)			6.455 (5.025)			1.99 (6.40)			24.88 (79.97)						
Jan. 1968		"			14.328 (5.596)			7.034 (5.068)			2.17 (6.45)			29.31 (87.10)						

(thousand tons)

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION												
	Inactive F. C. Pool												
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												
Jan. 1967		80.9		19.1									
Jan. 1968		75.0		25.0									

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														
Jan. 1967	29.7	28.5	19.5	13.6	3.1	2.1	1.8	0.9	0.6	0.2					
Jan. 1968	28.5	28.1	19.6	14.0	3.9	2.5	2.0	0.8	0.5	0.1					

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

47. REMARKS AND REFERENCES

1/ Storage used for sediment pool.

6/ Station - Glenwood 2NNW.

Note: Lower figures are for reservoir area below principal spillway.

48. AGENCY MAKING SURVEY Soil Conservation Service

49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE May 1968