

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Honey Creek No. 11

51-26

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Roy G. Roberts			2. RIVER Trib. of Honey Cr.			3. STATE Texas			
	4. SEC. --- TWP. --- RANGE ---			5. NEAREST TOWN McKinney			6. COUNTY Collin			
	7. STREAM BED ELEV. 615			8. TOP OF DAM ELEV. 661			9. SPILLWAY CREST ELEV. 656			
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	656	86.56	787.7	1,233.1	Feb. 9, 1952				
	b. POWER					16. DATE NORMAL OPER. BEGAN				
	c. WATER SUPPLY									
	d. IRRIGATION									
	e. CONSERVATION	644	41.17	445.4	445.4					
f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR 1.00 <sup>1/</sup> MILES			AV. WIDTH OF RESERVOIR .08 MILES						
	18. TOTAL DRAINAGE AREA 1.99 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 37.13 (28) INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 1.93 SQ. MI.			23. MEAN ANNUAL RUNOFF 6.42 INCHES						
	20. LENGTH 1.75 MILES		AV. WIDTH 1.14 MILES		24. MEAN ANNUAL RUNOFF 342 Ac. Ft. / Sq. Mi. <del>7.2</del>					
	21. MAX. ELEV.		MIN. ELEV. 615		25. CLIMATIC CLASSIFICATION Subhumid					
2/	3/	26. DATE OF SURVEY	27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY	30. NO. OF RANGES <del>10</del> INT.	31. SURFACE AREA ACRES	32. CAPACITY ACRE- FEET	33. C/W RATIO AC- FT. PER SQ. MI.	
		Feb. 9, 1952	---	---	Detail Range	15	86.56	1,233.1	620	
		Jan. 3, 1958	5.9	5.9	"	15	86.56	1,203.5	605	
		Feb. 9, 1952	---	---	"	12	41.17	445.4	224	
		Jan. 3, 1958	5.9	5.9	"	12	41.17	417.9	210	
2/	3/	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		
2/	3/	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		
			Jan. 3, 1958	29.6	5.02	2.60	29.6	5.02	2.60	
	Jan. 3, 1958	27.5	4.66	2.41	27.5	4.66	2.41			
2/	3/	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	
	Jan. 3, 1958	47.5	3,114	3,114	.41	2.40	---	---		
	Jan. 3, 1958	47.5	2,886	2,886	1.05	6.17	---	---		

1/ S.W. Arm - .72 mi. long.  
 2/ Both sediment and flood pools.  
 3/ Sediment pool only.

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

47. REMARKS AND REFERENCES - Land use at time of construction: Cultivated, 57.4%; Pasture, 21.8%; Idle 20.8%

Land use at time of this survey: Cultivated, %; Pasture, %; Idle, %.

Average C/I Ratio Both Sediment and Flood Pools: 1.79

Average C/I Ratio for Sediment Pool Only: 0.63

Estimated Trap Efficiency Both Pools: 97.5

Total Annual Sediment Load Adjusted for Trap Efficiency: 2.67 Ac.Ft./Sq. MI.

Total Annual Sediment Load Adjusted for Trap Efficiency: 2.47 Ac.Ft./Sq. MI.

48. AGENCY SUPPLYING DATA Soil Conservation Service Temple, Texas

49. DATE February 10, 1958

**RESERVOIR SEDIMENT  
DATA SUMMARY**

SCS-34 Rev. 6-62

Honey Creek No. 11

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

51-26a

DATA SHEET NO.

DAM	1. OWNER Roy G. Roberts		2. STREAM Trib. of Honey Cr.		3. STATE Texas			
	4. SEC. --- TWP. --- RANGE ---		5. NEAREST TOWN McKinney		6. COUNTY Collin			
	7. STREAM BED ELEVATION 615		8. TOP OF DAM ELEVATION 661		9. SPILLWAY CREST ELEV. 656			
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					Feb. 9, 1952		
	b. FLOOD CONTROL	656	86.56	787.7	1,233.1			
	c. POWER					16. DATE NORMAL OPER. BEGAN		
	d. WATER SUPPLY							
	e. IRRIGATION							
	f. CONSERVATION	644	41.17	445.4	445.4			
	g. SEDIMENT							
h. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR 1.00 <sup>1/</sup>		MILES		AV. WIDTH OF RESERVOIR .08 MILES			
	18. TOTAL DRAINAGE AREA 1.99		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 37.13 (28) INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 1.93		SQ. MI.		23. MEAN ANNUAL RUNOFF 6.42 INCHES			
	20. LENGTH 1.75 MILES		AV. WIDTH 1.14 MILES		24. MEAN ANNUAL RUNOFF 342 Ac.Ft./Sq. Mi. @ 6.42			
	21. MAX. ELEV.		MIN. ELEV. 615		25. CLIMATIC CLASSIFICATION Subhumid			
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.
	Feb. 9, 1952	---	---	Detail	15	86.56	1,233.1 <sup>2/</sup>	620 <sup>2/</sup>
	Jan. 3, 1958	5.9	5.9	Range	12	(41.17)	(445.4) <sup>3/</sup>	(224) <sup>3/</sup>
				"		86.56	1,203.5 <sup>2/</sup>	605 <sup>2/</sup>
						(41.17)	(417.9) <sup>3/</sup>	(210) <sup>3/</sup>
	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	
	Jan. 3, 1958	29.6 <sup>2/</sup> (27.5) <sup>3/</sup>	5.02 (4.66)	2.60 (2.41)	29.6 (27.5)	5.02 (4.66)	2.60 (2.41)	
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	
Jan 3, 1958	47.5	2,690 <sup>2/</sup> 2,490 <sup>3/</sup>	2,690 2,490	.41 1.05	2.40 6.17	---	---	

1/ S.W. Arm - .72 mi. long.  
2/ Both sediment and flood pools.  
3/ Sediment pool only.

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. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
47. REMARKS AND REFERENCES - Land use at time of construction: Cultivated, 57.4%; Pasture, 21.8%; Idle 20.8%. Land use at time of this survey: Cultivated, %; Pasture, % Idle, %.															
2/ Average C/I Ratio Both Sediment and Flood Pools: 1.79															
3/ Average C/I Ratio for Sediment Pool Only: 0.63															
2/ Estimated Trap Efficiency Both Pools: 97.5															
2/ Total Annual Sediment Load Adjusted for Trap Efficiency: 2.67 Ac.Ft./Sq.Mi.															
3/ Total Annual Sediment Load Adjusted for Trap Efficiency: 2.47 Ac.Ft./Sq.Mi.															
48. AGENCY MAKING SURVEY				Soil Conservation Service											
49. AGENCY SUPPLYING DATA				Temple, Texas											
						50. DATE February 10, 1958									

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Site No. 11, Honey Creek

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

51- 26b

DATA SHEET NO.

DAM	1. OWNER <b>Bee</b>			2. STREAM <b>Honey Creek</b>			3. STATE <b>Texas</b>					
	4. SEC. <b>TWP. RANGE</b>			5. NEAREST P. O. <b>McKinney</b>			6. COUNTY <b>Collin</b>					
	7. LAT <b>33° 15'</b> " LONG <b>97° 10'</b> "			8. TOP OF DAM ELEVATION <b>661.0</b>			9. SPILLWAY CREST ELEV. <b>656.0</b>					
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		656.0		87.5		789.6		1291.0		2-9-52	
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN	
	c. POWER											
	d. WATER SUPPLY											
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE <b>1/</b>		644.0		46.4		501.4		501.4		2-9-52	
WATERSHED	17. LENGTH OF RESERVOIR <b>1.00 <sup>2/</sup></b> MILES				AV. WIDTH OF RESERVOIR <b>0.08</b> MILES							
	18. TOTAL DRAINAGE AREA <b>1.99</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>39.95 (33)</b> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <b>1.92</b> SQ. MI.				23. MEAN ANNUAL RUNOFF <b>6.42</b> INCHES							
	20. LENGTH <b>1.75</b> MILES				AV. WIDTH <b>1.14</b> MILES							
	21. MAX. ELEV.				MIN. ELEV. <b>615.0</b>							
				25. ANNUAL TEMP: MEAN <b>65° F</b> RANGE <b>45° F - 84° F</b>								
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.		
	2-9-52		--	--				87.5	1291.0	1.89		
	4-18-62		10.2	10.2				87.5	1201.8	1.76		
	7-21-67		5.3	15.5	Range-Contour		28 R	87.5	1186.7	1.74		
	2-9-52		--	--	(D)		2' CI	46.4	501.4	0.74		
	4-18-62		10.2	10.2				42.7	448.0	0.66		
	7-21-67		5.3	15.5				42.4	434.5	0.64		
	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					
7-21-67		15.1	2.85	1.48	104.3	6.73	3.50					
7-21-67		13.5	2.55	1.33	66.9	4.32	2.25					
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					
7-21-67		51.9 (7)	3,956	3,956	0.52	8.08	--	--				
7-21-67		36.0 (11)	810	1,725	0.86	13.34	--	--				

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
620	0.29	0.19													
622	2.02	2.24	634	20.72	126.93	646	47.51	524.35							
624	4.25	8.38	636	24.25	171.85	648	54.40	626.18							
626	7.59	20.06	638	27.83	223.89	650	61.88	742.38							
628	10.57	38.13	640	32.50	284.16	652	70.31	874.48							
630	13.08	61.74	642	37.76	354.35	654	77.28	1022.02							
632	15.77	90.55	644	42.41	434.48	656	87.50	1186.69							
47. REMARKS AND REFERENCES															
<u>1/</u> Sediment Pool <u>2/</u> Southwest arm 0.72 miles long  Land Resource Area: Texas Blackland Prairie Estimated trap efficiency 95% Total annual sediment load adjusted for trap efficiency: Both Pools 3.68 ac.ft./sq.mi. Sediment Pool 2.37 ac.ft./sq.mi.															
48. AGENCY MAKING SURVEY			Soil Conservation Service			February 1968									
49. AGENCY SUPPLYING DATA			Temple, Texas			50. DATE									







RESERVOIR SEDIMENT

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

DATA SUMMARY

Site No. 11, Honey Creek

CS-34 Rev. 6-66

NAME OF RESERVOIR

51 - 26d

DATA SHEET NO.

DAM		1. OWNER Bee		2. STREAM Honey Creek		3. STATE Texas			
DAM		4. SEC. TWP. RANGE		5. NEAREST P.O. McKinney		6. COUNTY Collin			
DAM		7. LAT. 33° 18' 07" LONG. 96° 41' 18"		8. TOP OF DAM ELEVATION 661.0		9. SPILLWAY CREST ELEV. 656.0			
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	1/	656.0	87.5	789.6	1291.0	2- 9-52		
	b. MULTIPLE USE								
	c. POWER								
	d. WATER SUPPLY								
	e. IRRIGATION						16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION								
	g. INACTIVE	3/	644.0	46.4	501.4	501.4	2- 9-52		
RESERVOIR		17. LENGTH OF RESERVOIR 4/		1.00 MILES	AV. WIDTH OF RESERVOIR		0.14 MILES		
WATERSHED		18. TOTAL DRAINAGE AREA		1.99 SQ. MI.	22. MEAN ANNUAL PRECIPITATION 34.80 (66) INCHES				
WATERSHED		19. NET SEDIMENT CONTRIBUTING AREA		1.85 SQ. MI.	23. MEAN ANNUAL RUNOFF		6.42 INCHES		
WATERSHED		20. LENGTH 1.75 MILES		AV. WIDTH 1.14 MILES	24. MEAN ANNUAL RUNOFF		681.33 AC.-FT.		
WATERSHED		21. MAX. ELEV.		MIN. ELEV. 615.0	25. ANNUAL TEMP: MEAN 65°F RANGE 45° - 84° F				
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.	
	2- 9-52	-	-	Range- Contour (D)	28 R 2' CI	87.5	1291.0	1.89	
	4-18-62	10.2	10.2			87.5	1201.8	1.76	
	7-21-67	5.3	15.5			87.5	1186.7	1.74	
	4-13-72	4.7	20.2			87.5	1156.1	1.70	
	7-24-78	6.3	26.5			87.5	1143.6	1.68	
	<del>34. PERIOD ANNUAL PRECIPITATION</del> <del>35. PERIOD WATER INFLOW, ACRE-FEET</del> <del>36. WATER INFLO. TO DATE, AC.-FT.</del>								
26. DATE OF SURVEY									
2- 9-52	-	-			46.4	501.4			
4-18-62	10.2	10.2			42.7	448.0			
7-21-67	5.3	15.5			42.4	434.5			
4-13-72	4.7	20.2			41.4	409.5			
7-24-78	6.3	26.5			41.3	397.8			
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		
	1/ 7-24-78	12.5	1.98	1.07	147.4	5.56	3.01		
2/ 7-24-78	11.5	1.82	0.99	103.6	3.91	2.11			
SURVEY DATA	25. DATE OF SURVEY	39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. 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		
	1/ 7-24-78	-	2134	3705	0.43	11.42			
	2/ 7-24-78	91 (6)	410	1784					
3/ 7-24-78	41.8 (12)	1724	1921	0.78	20.66				

25. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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. 1978 ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
622	0.17	0.11	638	27.15	197.36	654	77.68	978.50							
624	2.01	1.95	640	31.70	256.15	656	87.50	1143.58							
626	3.86	7.72	642	34.40	322.23										
628	8.74	19.99	644	41.30	397.82										
630	12.34	40.97	646	46.65	485.72										
632	15.32	68.58	648	53.50	585.79										
634	19.52	103.34	650	61.09	700.30										
636	23.73	146.52	652	69.80	831.09										
47. REMARKS AND REFERENCES															
1/ Total reservoir below emergency spillway crest elevation (656.0').															
2/ Detention pool only.															
3/ Sediment pool only.															
4/ Southwestern arm 0.72 miles long.															
Land Resource Area: Texas Blackland Prairie.															
Land Use: cropland 25%, grassland 59%, woodland 13%, miscellaneous 3%.															
Geology: Austin Group Upper Cretaceous Age.															
48. AGENCY MAKING SURVEY SCS, Temple, Texas				50. DATE 1-79											
49. AGENCY SUPPLYING DATA SCS, Temple, Texas															