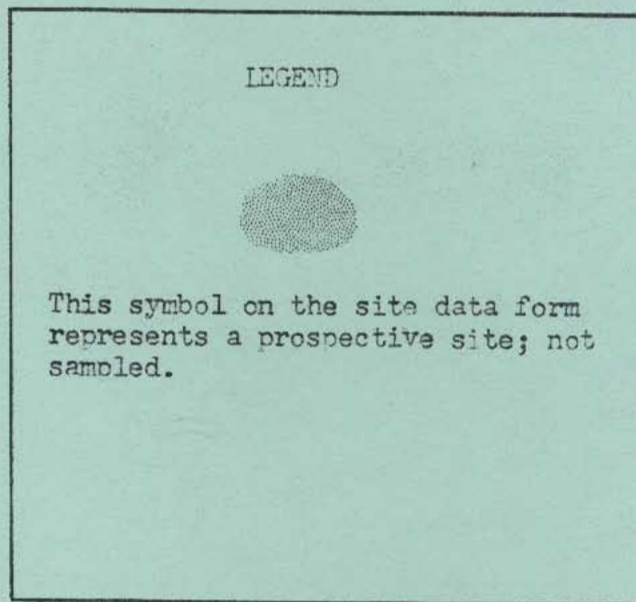


APPENDIX IV

The following site data forms are designated as "prospective site, not sampled." The sites described herein are depicted on the county materials map as a "●".



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SG+50  
QK1

SITE NO. \_\_\_\_\_ DATE May, 1964  
 MATERIAL Sand and Gravel COUNTY Sumner  
 LOCATION W $\frac{1}{2}$ , SE $\frac{1}{4}$  SEC. 17 TWP. 34S RANGE 2E  
 OWNER C. R. Clift 5622 E. Douglas Wichita, Kansas  
 name address  
 TENANT \_\_\_\_\_ address \_\_\_\_\_  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

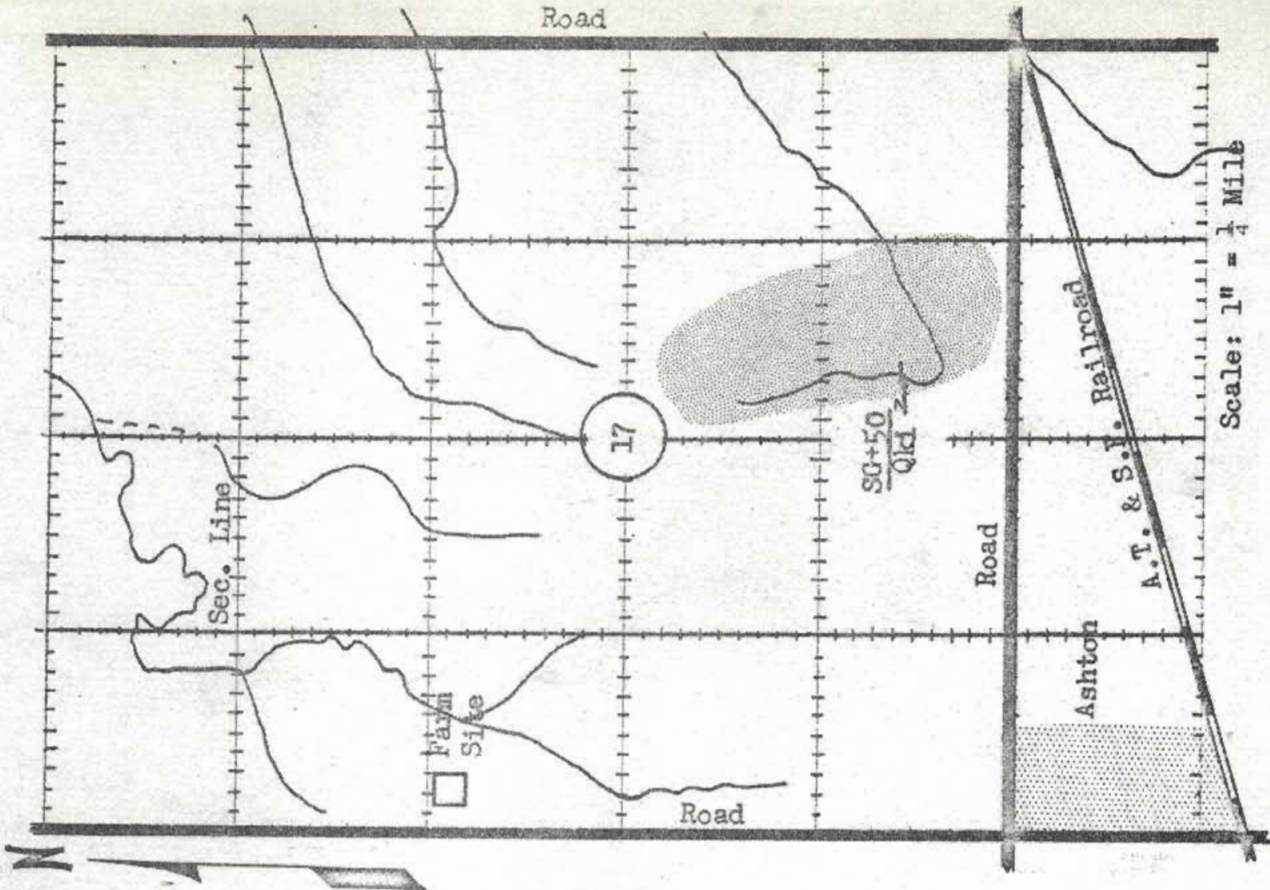
EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Percent Retained										Wash 200	L.L.	P.I.		
				1/2	3/4	7/8	4	8	10	16	30	40	50				100	

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG-51  
QK1

DATE May, 1964

COUNTY Sumner

MATERIAL Sand and Gravel

LOCATION W $\frac{1}{2}$ , SE $\frac{1}{4}$  SEC. 16 TWP. 33S RANGE 2E

OWNER Cameron Funk name address  
Union Center Bldg. Wichita, Kan.

TENANT name address

NATURE OF DEPOSIT DRY ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

Test Hole	Material of Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Depth of Hole	EXPLORATION DATA														
					Percent Retained														
					1/2	3/4	1	2	4	8	16	30	40	50	100	200	Wash	PI	
					1/2	3/4	1												

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

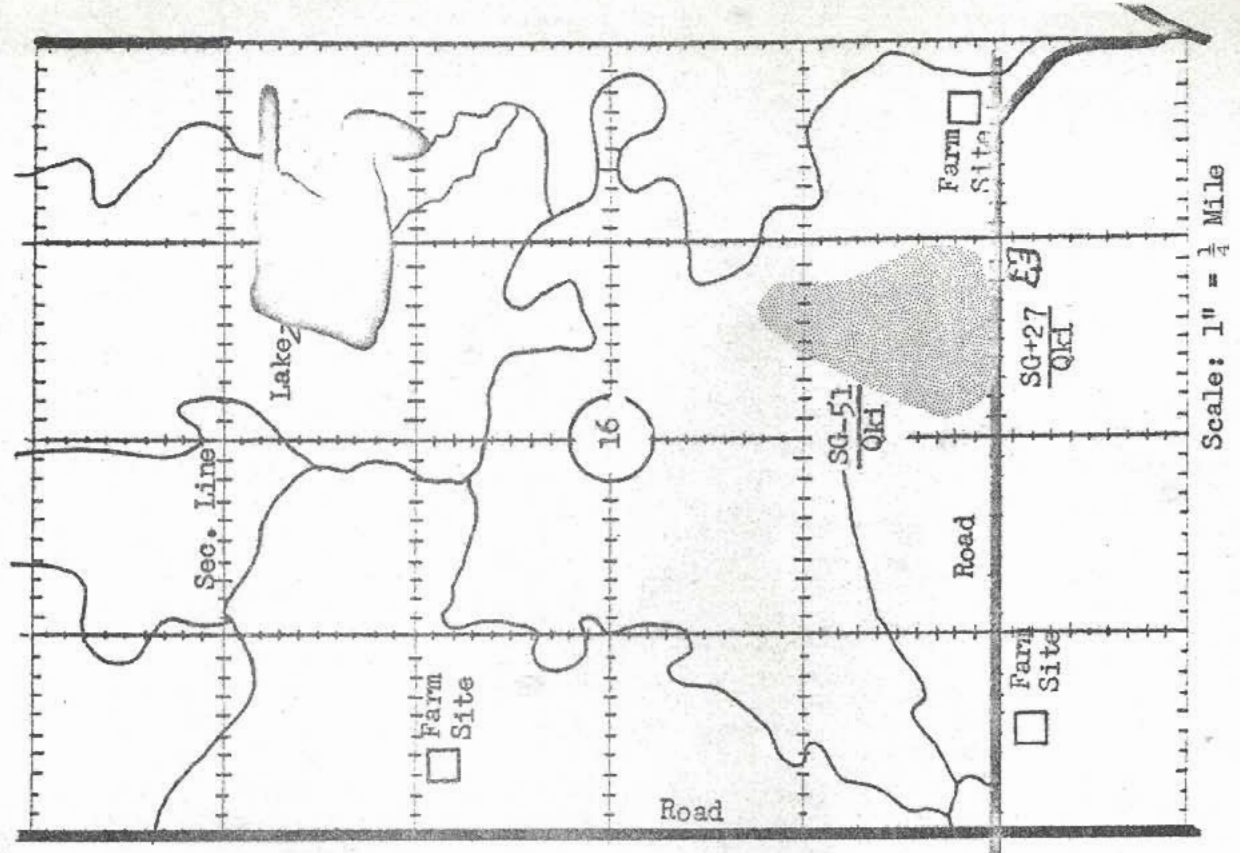
MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

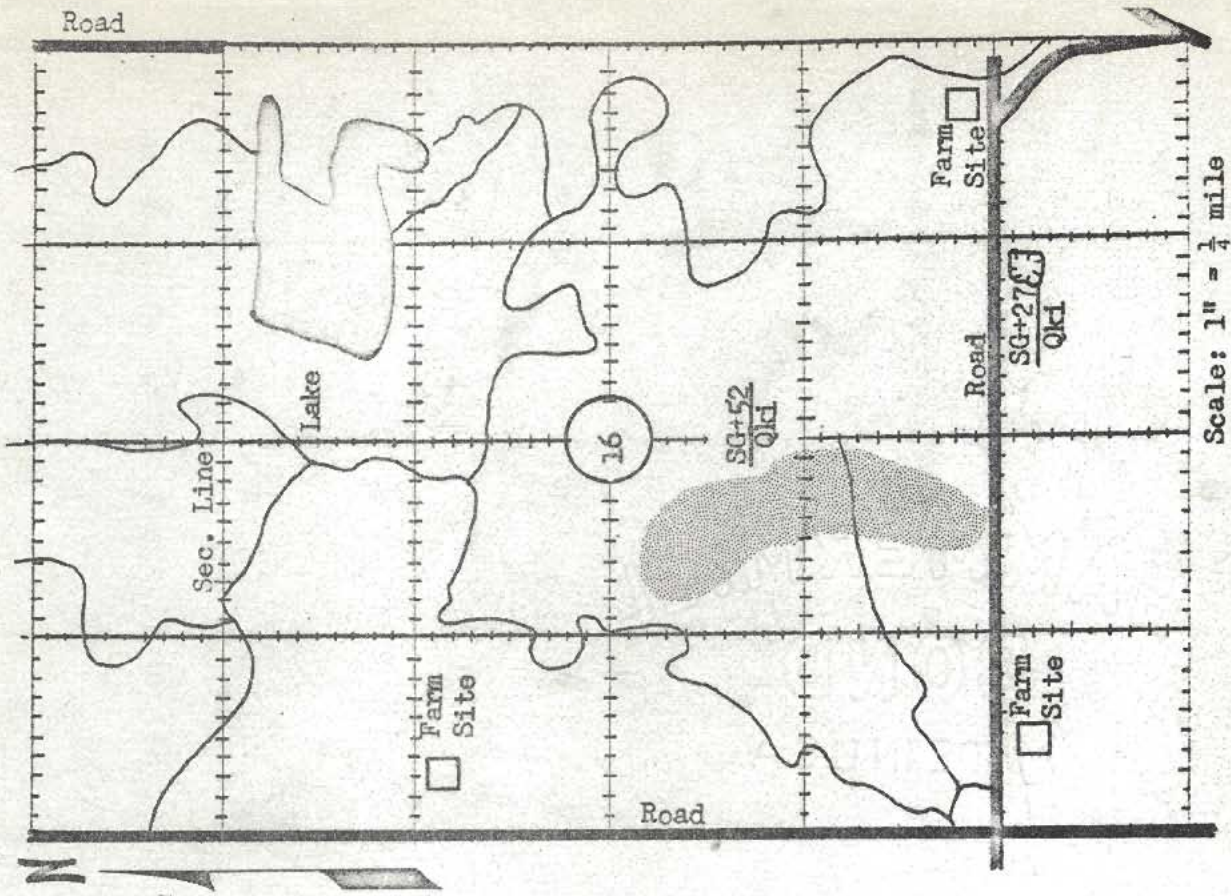
SITE NO. SG+52  
QK1  
DATE May, 1964  
MATERIAL Sand and Gravel COUNTY Sumner  
LOCATION E $\frac{1}{2}$ , SW $\frac{1}{4}$  SEC. 16 TWP. 33S RANGE 2E  
OWNER Wayne T. Walter 14160 East Kincaid, Wichita, Kansas  
TENANT \_\_\_\_\_  
NATURE OF DEPOSIT Dry ADDRESS \_\_\_\_\_  
STATUS OF SITE Prospective site; not sampled ACCESSIBILITY Good

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material	Depth of Hole	Percent Retained										Wash 200	L.L	P.L
					1/2	3/4	1	2	4	8	16	30	40	50			
					1/2	3/4	1	2	4	8	16	30	40	50	100		

CORRELATION DATA  
GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+53  
OKL

DATE May, 1961  
MATERIAL Sand and Gravel  
COUNTY Summer  
LOCATION NW 1/4 SEC. 30 TWP. 31S RANGE 4W  
OWNER Trustees Baptist Church c/o Arthur Funk, Argonia, Kansas  
TENANT \_\_\_\_\_  
NATURE OF DEPOSIT Dry ADDRESS \_\_\_\_\_  
ACCESSIBILITY Good  
STATUS OF SITE Prospective site; not sampled

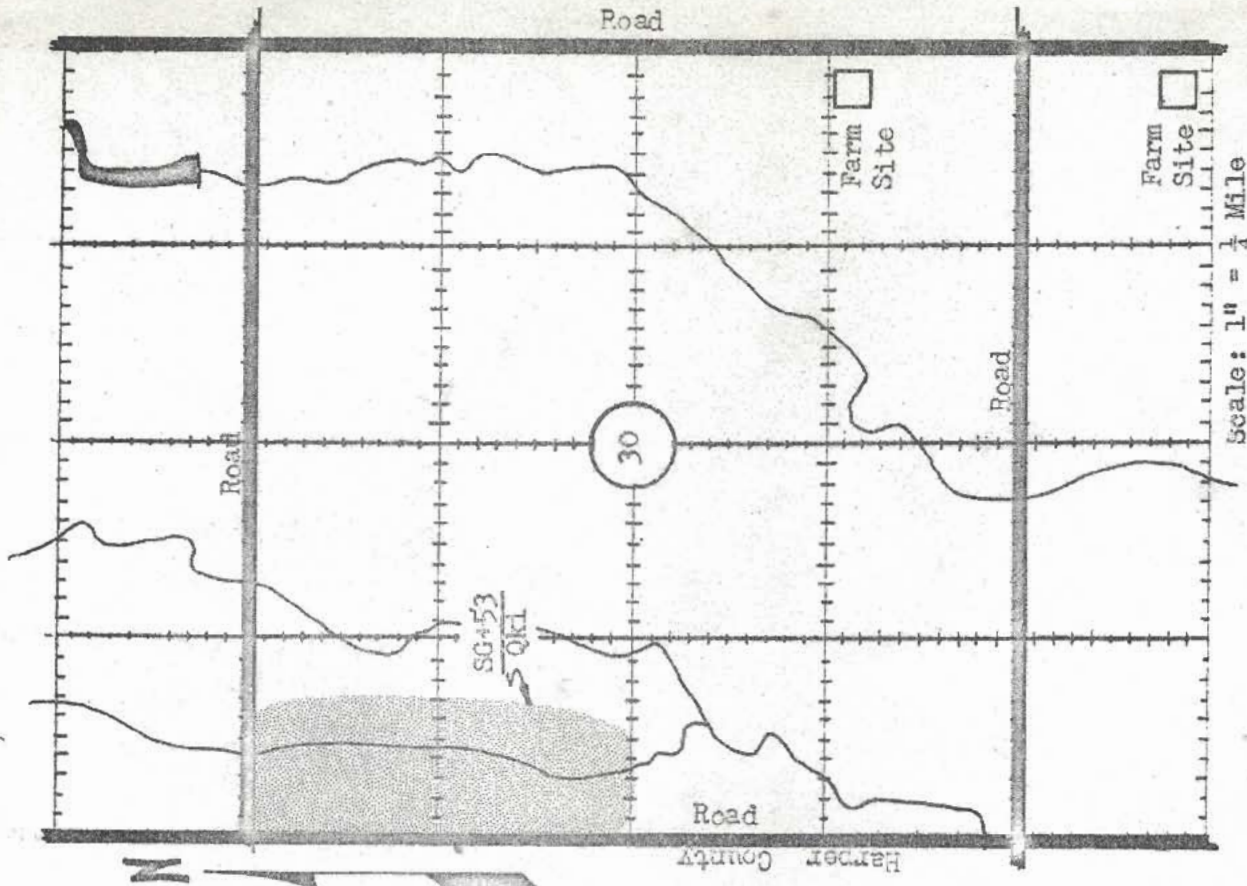
EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Core - Bottom	Depth of Material in Hole	Percent Retained										Wash 200	L.L	P.I		
				1/2	3/4	7/8	4	6	10	16	30	40	50				100	

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

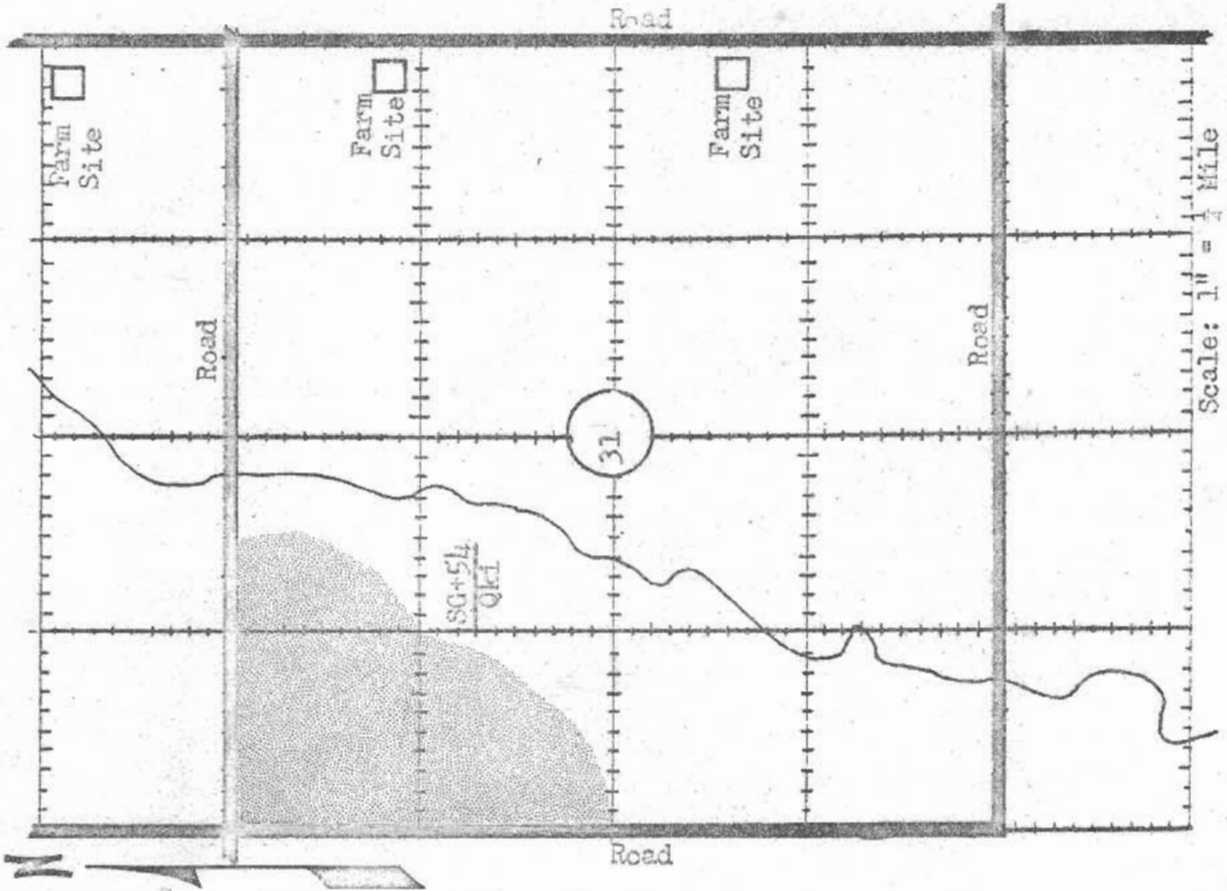
SITE NO. SG+54 QKI DATE May, 1964  
 MATERIAL Sand and Gravel COUNTY Summer  
 LOCATION NW 1/4 SEC. 31 TWP. 31S RANGE 4W  
 OWNER Hedvika Baker name address Caldwell, Kansas  
 TENANT name address \_\_\_\_\_  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material Hole	Percent Retained																				
				1/2	3/4	7/8	1	2	4	8	16	30	40	50	100	200	Wash	Pt.						

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+55  
Qkl DATE May, 1964

MATERIAL Sand and Gravel COUNTY Summer

LOCATION NE 1/4 SEC. 5 TWP. 32S RANGE 4W

OWNER Odie M. Nystrom address Argonia, Kansas

TENANT \_\_\_\_\_ address \_\_\_\_\_

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

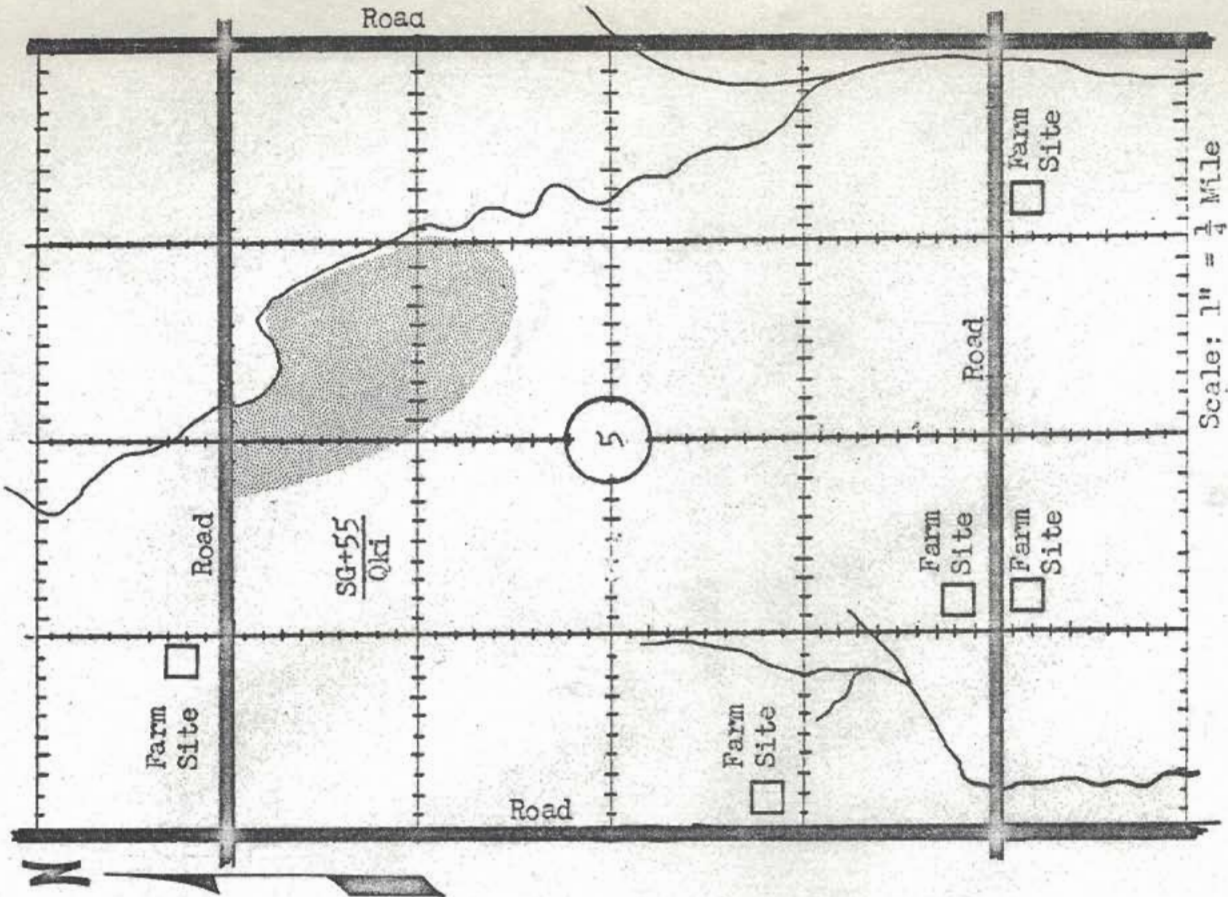
Test Holes	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	Percent Retained																				
					1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	P.L.							

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG-56  
Qld

MATERIAL Sand and Gravel COUNTY Sumner

LOCATION NE<sup>1</sup>/<sub>4</sub>, NW<sup>2</sup>/<sub>4</sub> SEC. 19 TWP. 34S RANGE 1W

OWNER Emma Karesh name  
Rt. 3 Caldwell, Kansas address

TENANT \_\_\_\_\_ address \_\_\_\_\_

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

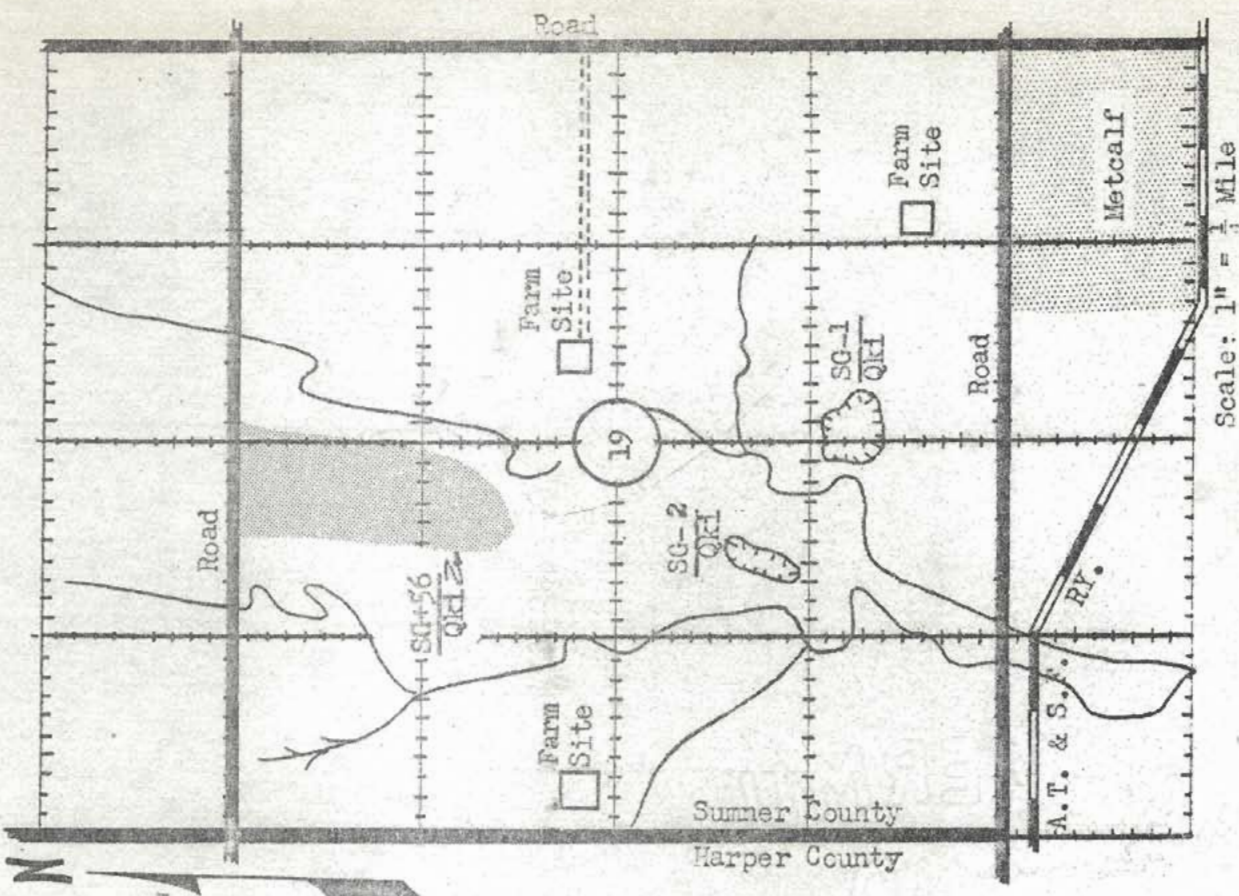
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Motorbits Hole	Percent Retained										Wash 200	L.L. P.I.					
				1 1/2	3/4	7/8	4	8	10	16	30	40	50			100				

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG-57  
QK1

MATERIAL Sand and Gravel

LOCATION NW $\frac{1}{4}$ , SW $\frac{1}{4}$  SEC. 19 TWP. 34S RANGE 4W

OWNER Jos. Baker c/o Kenneth Baker Rt. 3 Caldwell, Kansas  
same address

TENANT \_\_\_\_\_ address \_\_\_\_\_

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

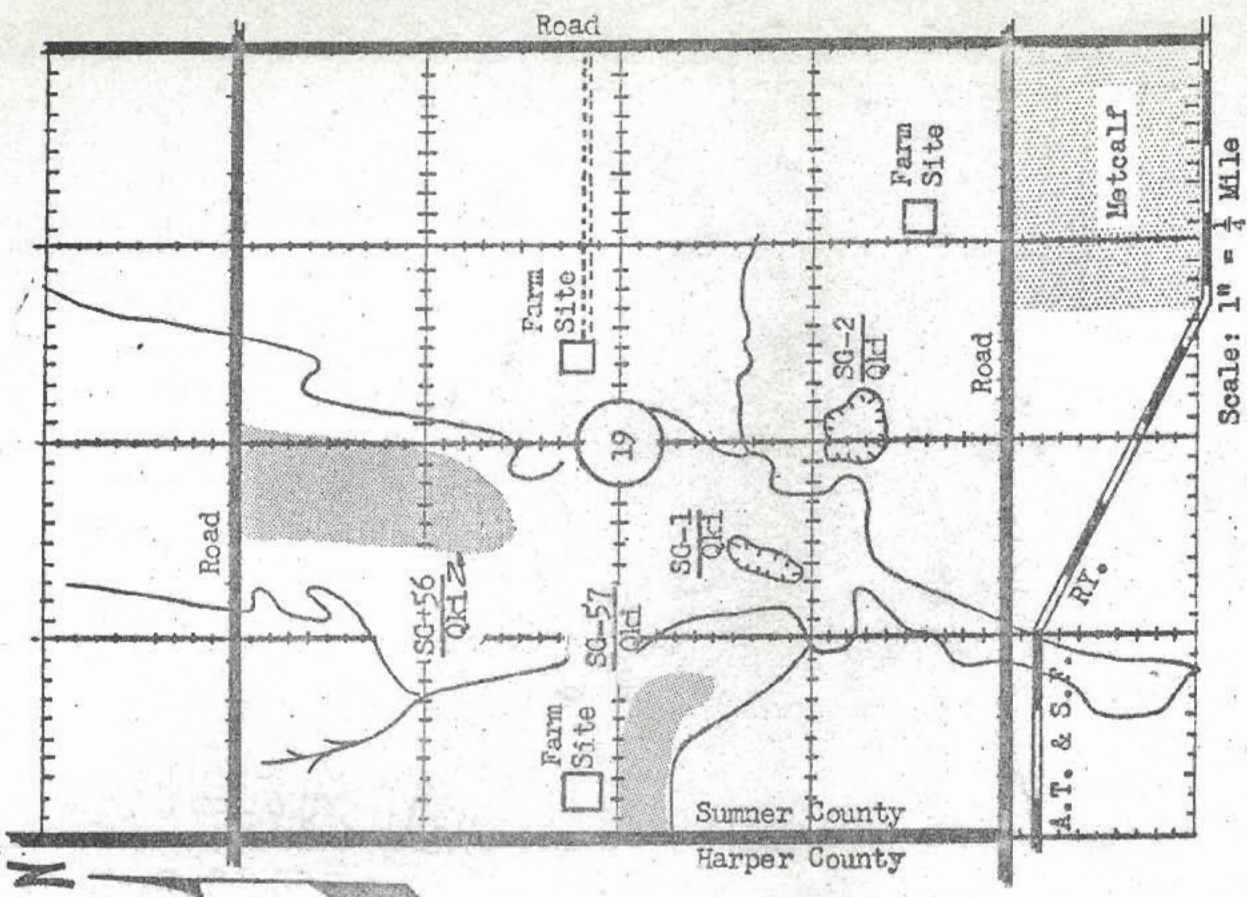
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material in Hole	Depth of Hole	EXPLORATION DATA																		
					Percent Retained																		
					1/2	3/4	1	1 1/4	1 1/2	2	3	4	6	10	16	30	40	50	100	200	Wash	Pl.	

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG-58  
QK1

MATERIAL Sand and Gravel

LOCATION SE $\frac{1}{4}$  SEC. 19 TWP. 34S RANGE 4W

OWNER N $\frac{1}{2}$ , SE $\frac{1}{4}$  Henry Volavka Caldwell, Kansas  
address  
Jerome Volavka Milan, Kansas  
same address

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

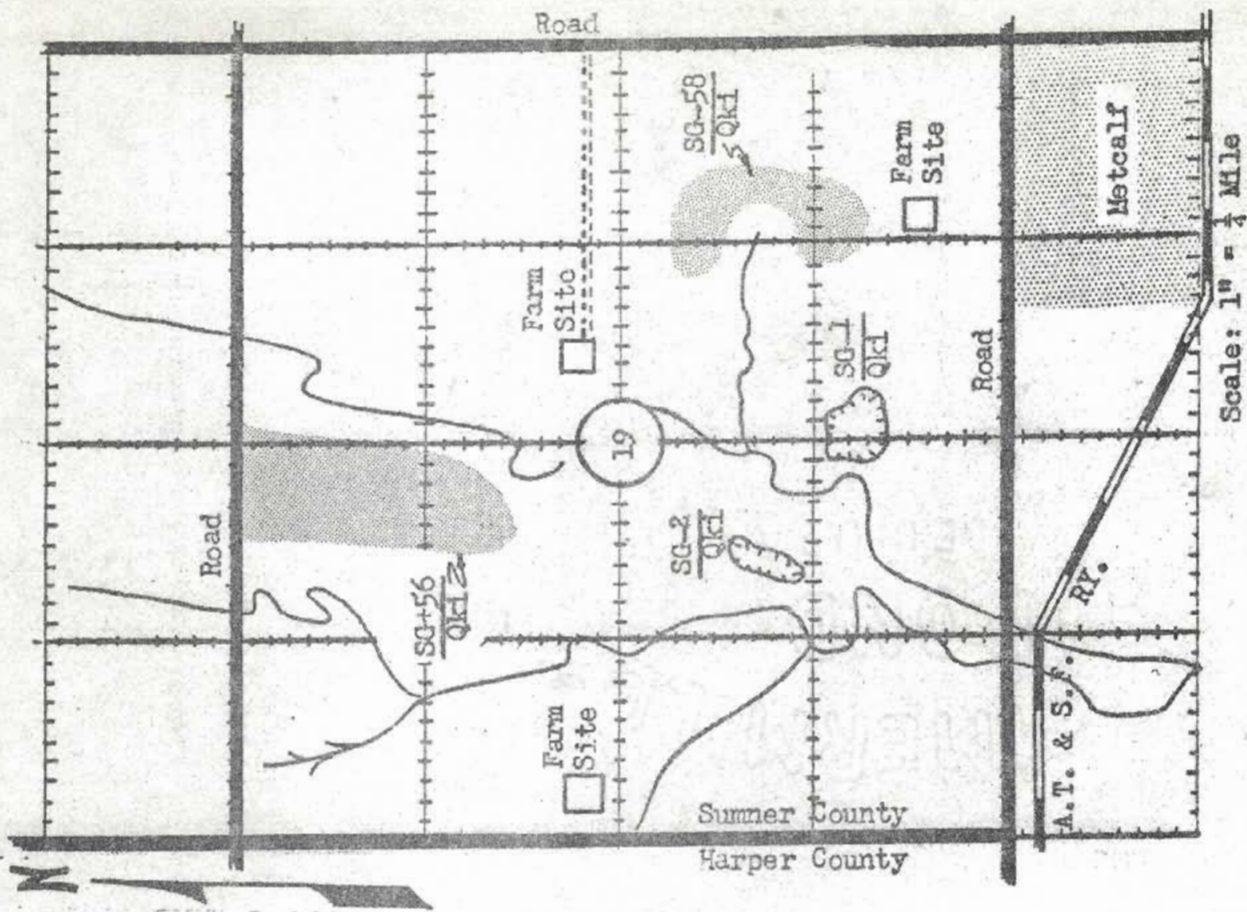
Test Hole	Material of Hole	Depth of Overburden	Depth of Molerids	Depth of Hole	EXPLORATION DATA															
					Percent Retained															
					1/2	3/4	7/8	1	2	4	8	16	30	40	50	100	200	Wash	PI	
					1/2	3/4	7/8	1												

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG-59  
Qkl

MATERIAL Sand and Gravel COUNTY Sumner  
 LOCATION SE $\frac{1}{4}$  SEC. 27 TWP. 31S RANGE 4W  
 OWNER W $\frac{1}{2}$ , SE $\frac{1}{4}$  Elvis Johnson Argonia, Kansas  
~~owner~~ E $\frac{1}{2}$ , SE $\frac{1}{4}$  V. J. Ast address  
Conway Springs, Kansas address  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

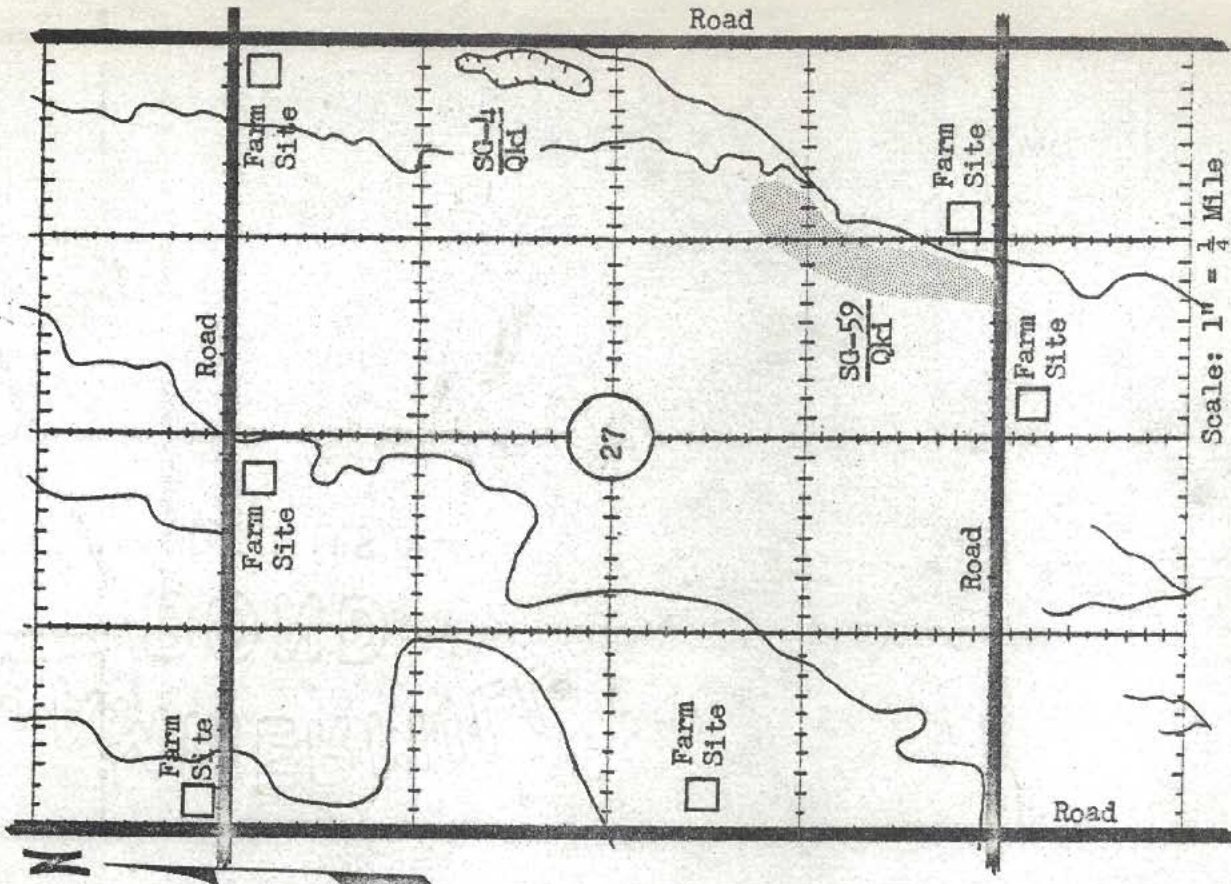
EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Mottled Hole	Depth of Hole	Percent Retained										Wash	P.L.		
					1/2	3/4	1	2	4	8	10	16	30	40			50	100
					1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200		

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE SG-4 High terrace  
 MATERIAL SIMILAR TO material found in site Qkl. It may be visually inspected at this location.

REMARKS: This site is expected to contain from four to five feet of clay bound sand and gravel.



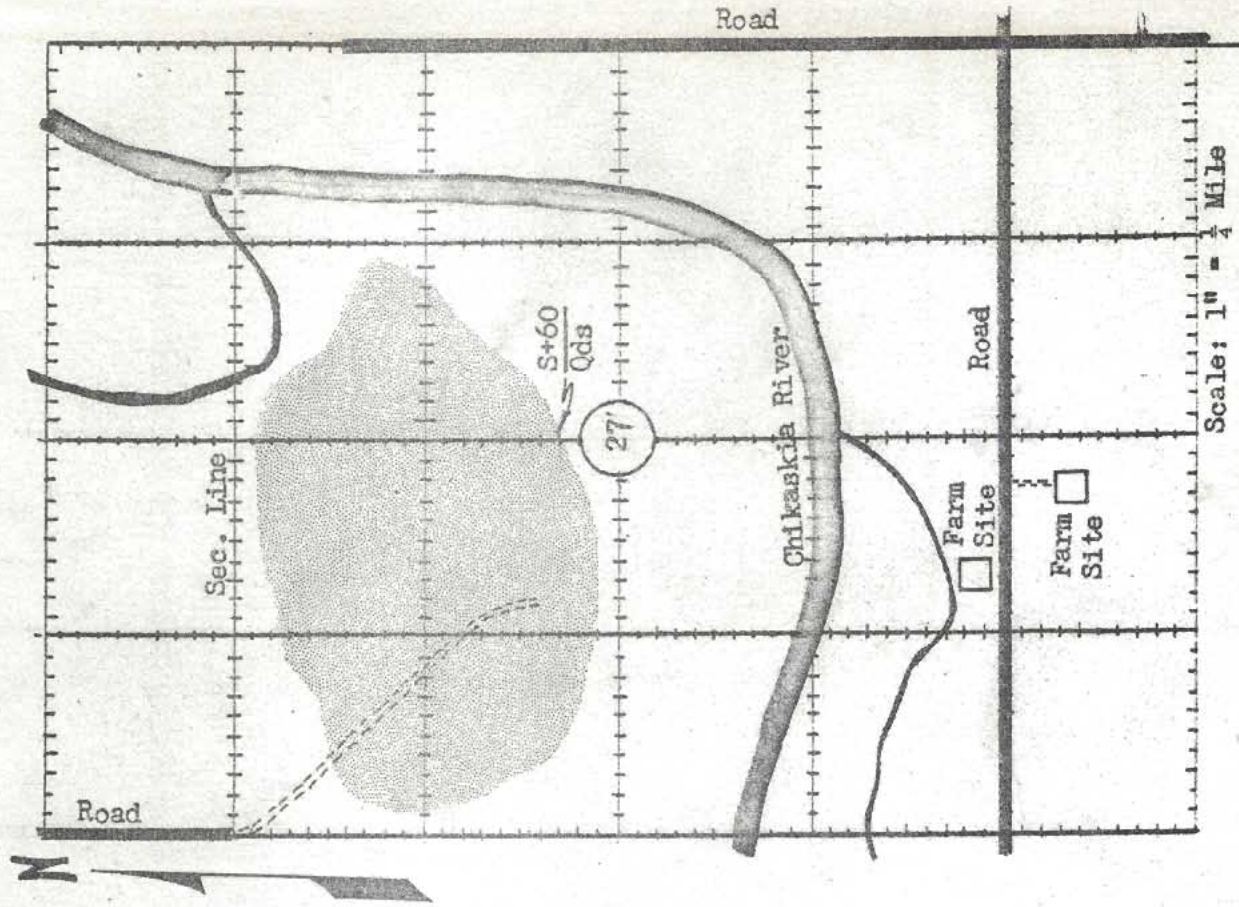
STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. S+60  
Qds  
 MATERIAL Sand  
 LOCATION N $\frac{1}{2}$  SEC. 27 TWP. 32S RANGE 4W  
 OWNER Odie M. Nystrom  
home address Argonia, Kansas  
 TENANT                       
home address                       
 NATURE OF DEPOSIT Dry ACCESSIBILITY Fair  
 STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Core-Perforation	Depth of Motorizable Hole	Depth of Hole	Percent Retained										Wash	L.L.	P.L.						
					1/2	3/4	1	1 1/4	1 1/2	2	3	4	6	8				10	16	30	40	50	100
					1 1/2	3/4	1	1 1/4	1 1/2	2	3	4	6	8	10	16	30	40	50	100	200		

CORRELATION DATA  
 GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Sand dunes  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SG-61  
Qld

SITE NO. \_\_\_\_\_ DATE May, 1964  
 MATERIAL Sand and Gravel COUNTY Sumner  
 LOCATION NW $\frac{1}{4}$  SEC. 26 TWP. 31S RANGE 11W  
 OWNER W $\frac{1}{2}$ , NW $\frac{1}{4}$  C. B. Castor 4747 High Street, Denver, Colorado  
~~OWNER~~ W $\frac{1}{2}$ , NW $\frac{1}{4}$  Louie Fitz Argonia, Kansas  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

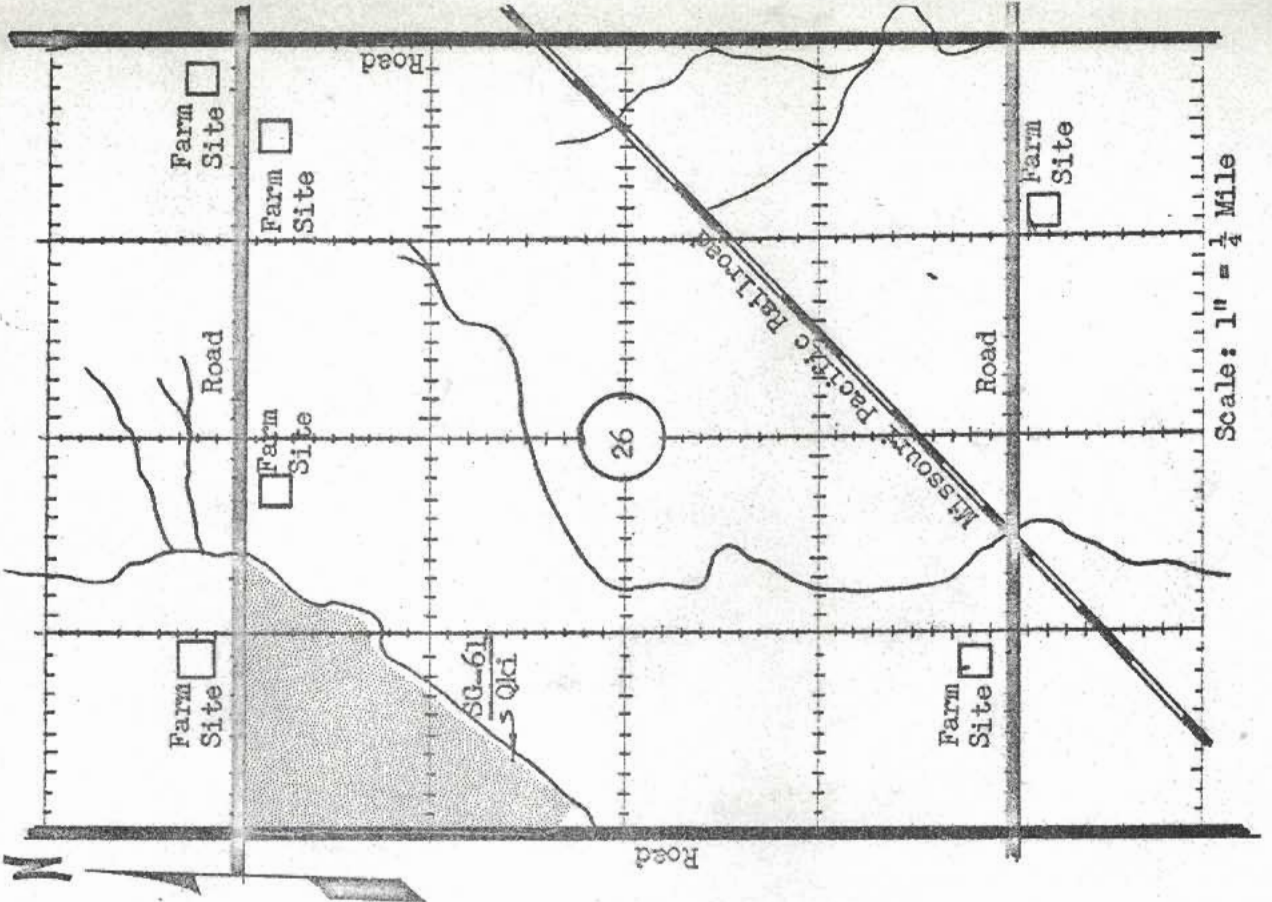
EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Hole	Percent Retained							Wash	200	LL	PI			
				1/2	3/4	7/8	4	8	10	16					30	40	50

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO material in site SG-4. It may be visually inspected at this location.

REMARKS:



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG-62  
QKl

MATERIAL Sand and Gravel

LOCATION NW $\frac{1}{4}$  SEC. 2 TWP. 32S RANGE 11W

OWNER E $\frac{1}{2}$ , NW $\frac{1}{4}$ , C.L. Olmstead  
NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , O.A. Fowler

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	Percent Retained																
					1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash				

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO material in site QKl. The material may be  
visually inspected at this location.

REMARKS:

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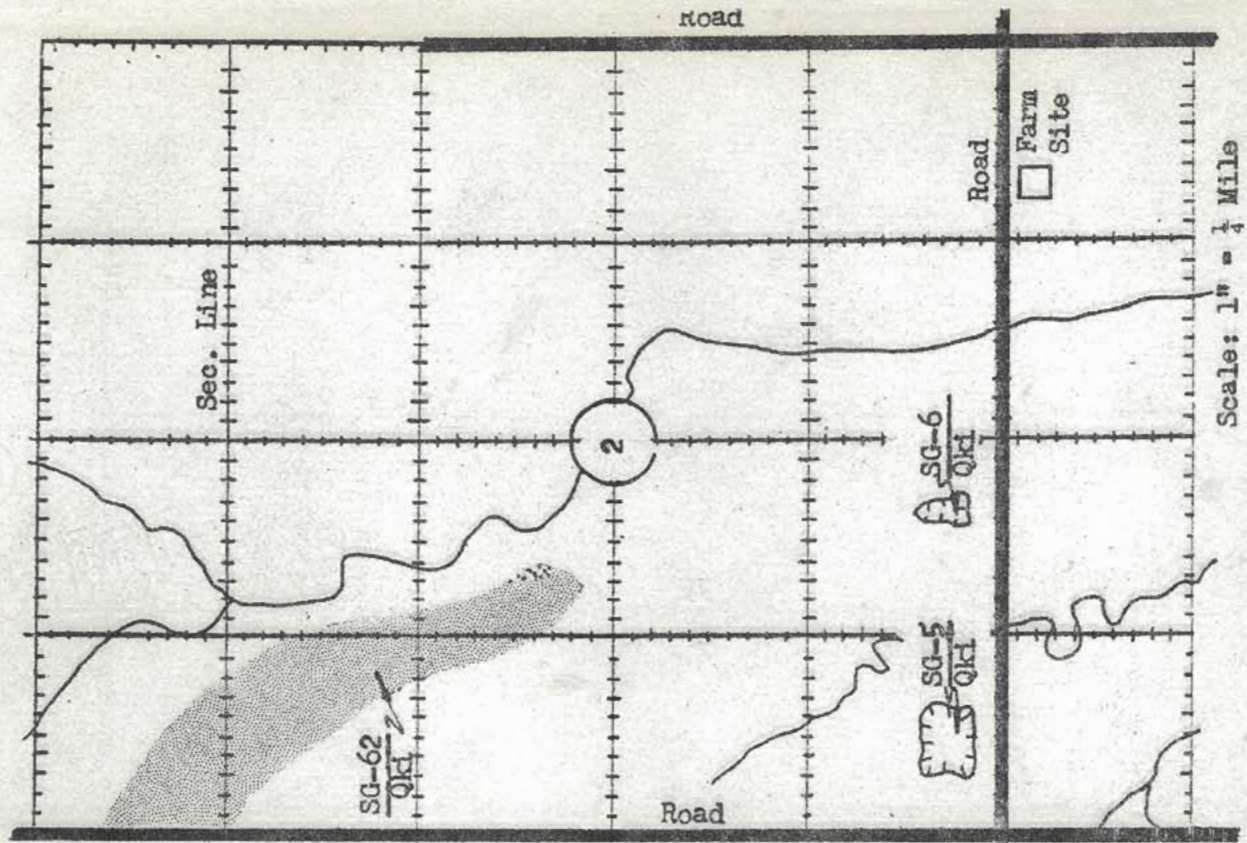
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STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

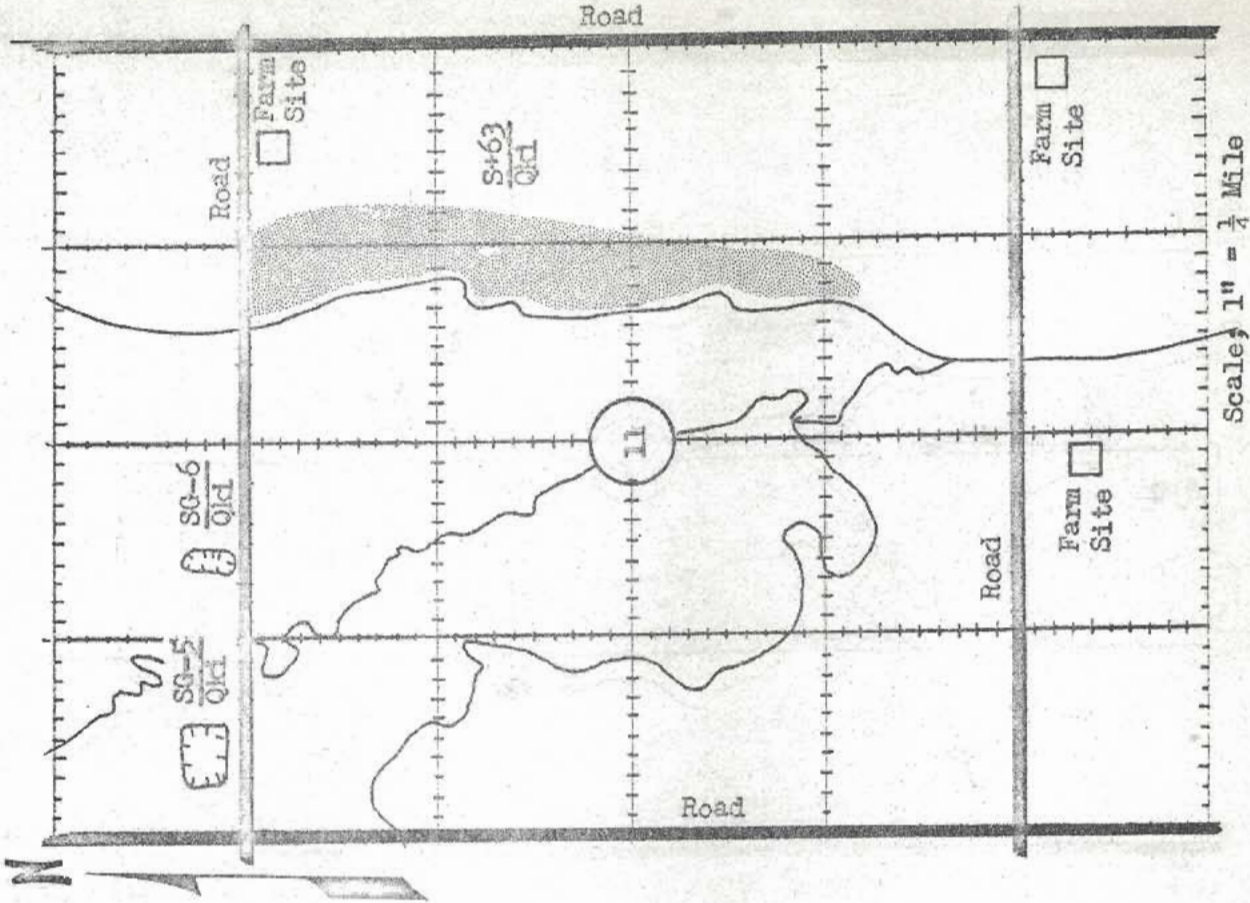
SITE NO. S+63 DATE May, 1964  
 MATERIAL Sand COUNTY Sumner  
 LOCATION E 1/2 SEC. 11 TWP. 32S RANGE LW  
 OWNER Henry Segebart Hepler, Kansas  
 TENANT \_\_\_\_\_ address \_\_\_\_\_  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Core-burden	Depth of Materials Hole	Percent Retained											Wash	PI			
				1/2	3/4	7/8	4	8	10	16	30	40	50	100			200		

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS : \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. S+64  
Qds

MATERIAL Sand

LOCATION N $\frac{1}{2}$  SEC. 33 TWP. 32S RANGE 3W

OWNER NE $\frac{1}{4}$ , NE $\frac{1}{4}$ , NE $\frac{1}{4}$  J. V. Robinson address Milan, Kansas

~~PERMIT~~ SE $\frac{1}{4}$ , NE $\frac{1}{4}$  & W $\frac{1}{2}$ , NE $\frac{1}{4}$ , & NW $\frac{1}{4}$  Virgil F. Holt address Milan, Kansas

NATURE OF DEPOSIT Dry ACCESSIBILITY Fair

STATUS OF SITE Prospective site; not sampled

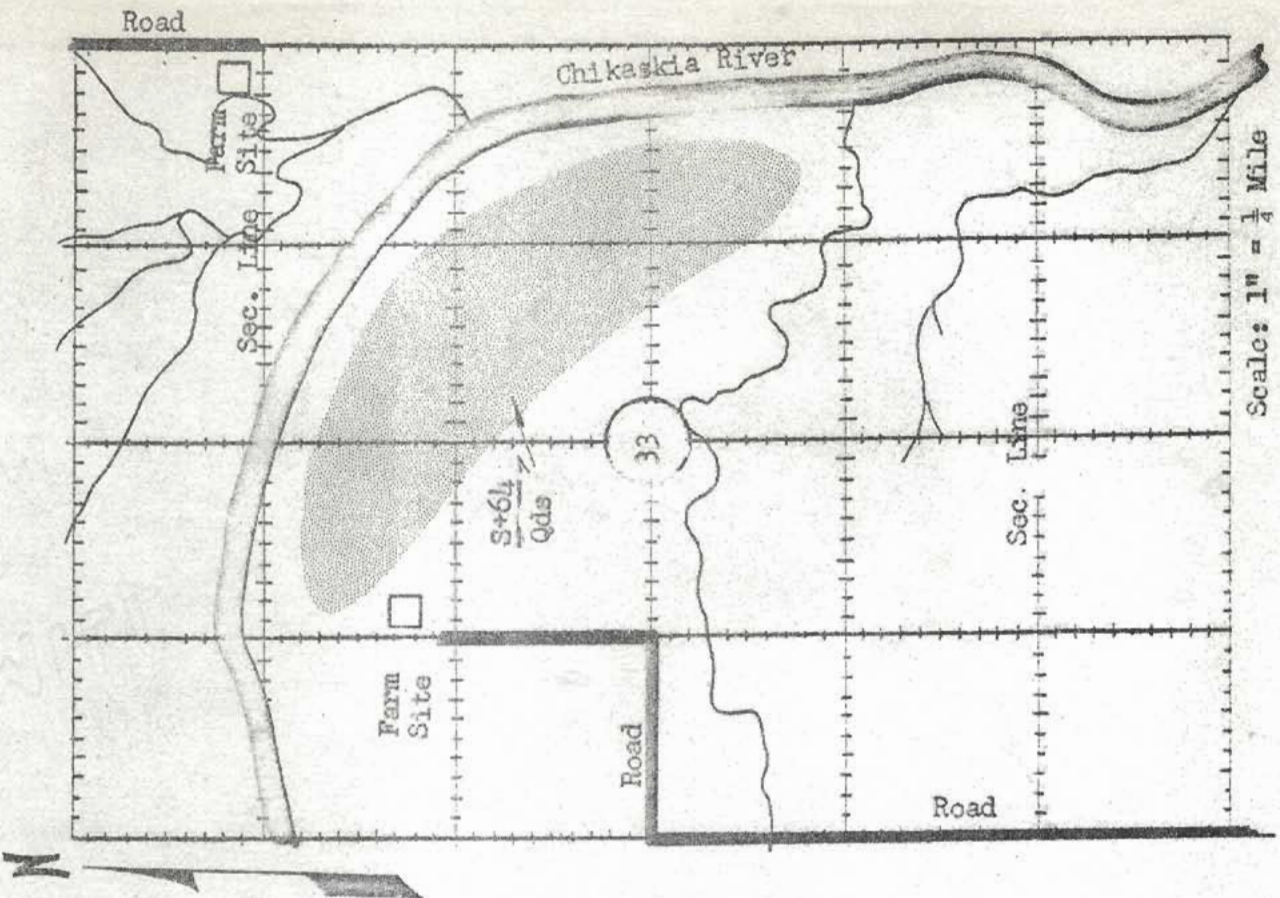
Test Hole	Material of Bottom of Hole	Depth of Overburden	Depth of Materials Hole	EXPLORATION DATA												
				Percent Retained												
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	Wash 200	PI

CORRELATION DATA

GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Sand dunes

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_





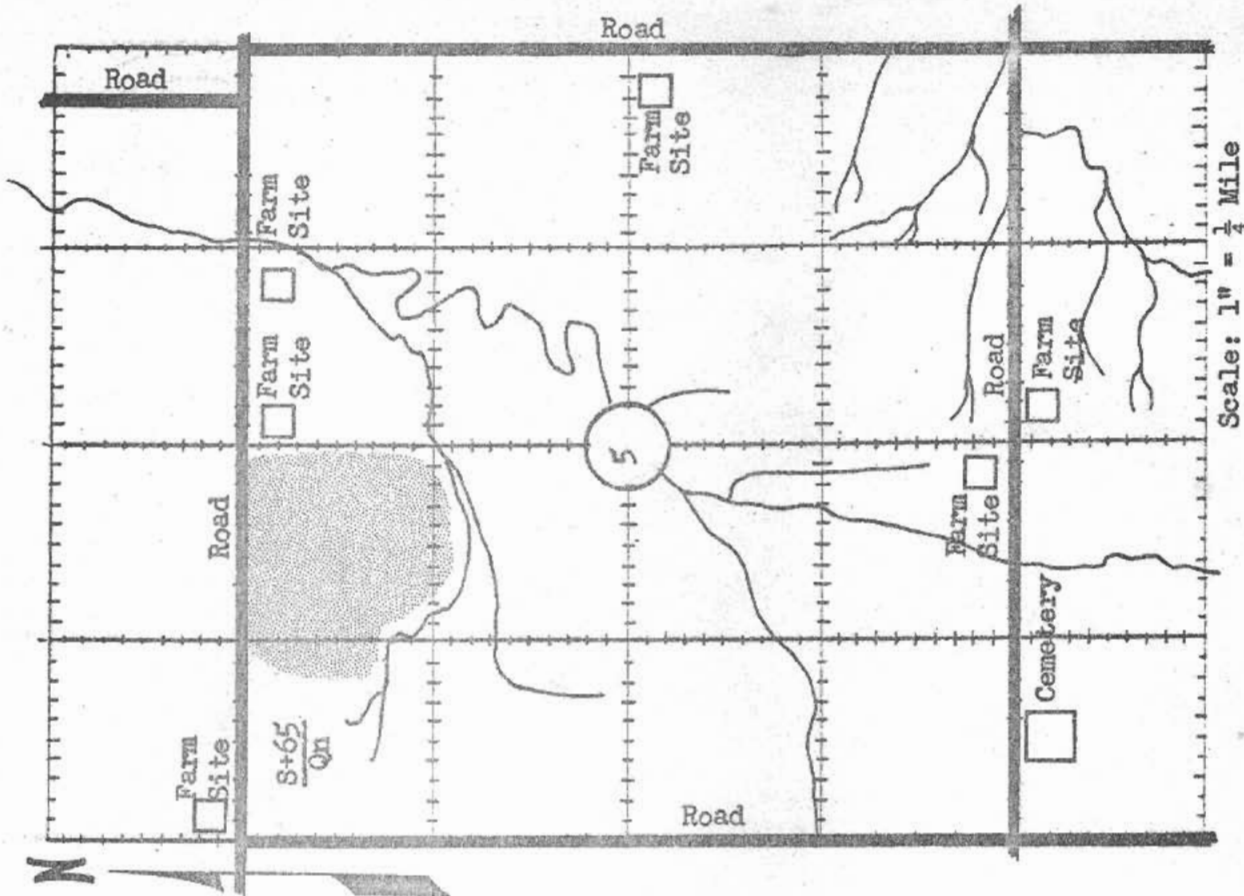
STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. S+65 / Qn DATE May, 1964  
 MATERIAL Sand COUNTY Summer  
 LOCATION NE 1/4, NW 1/4 SEC. 5 TWP. 31S RANGE 3W  
 OWNER Randall Sheard Conway Springs, Kansas  
 TENANT \_\_\_\_\_ address \_\_\_\_\_  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Hole	Percent Retained												
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	P1

CORRELATION DATA  
 GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



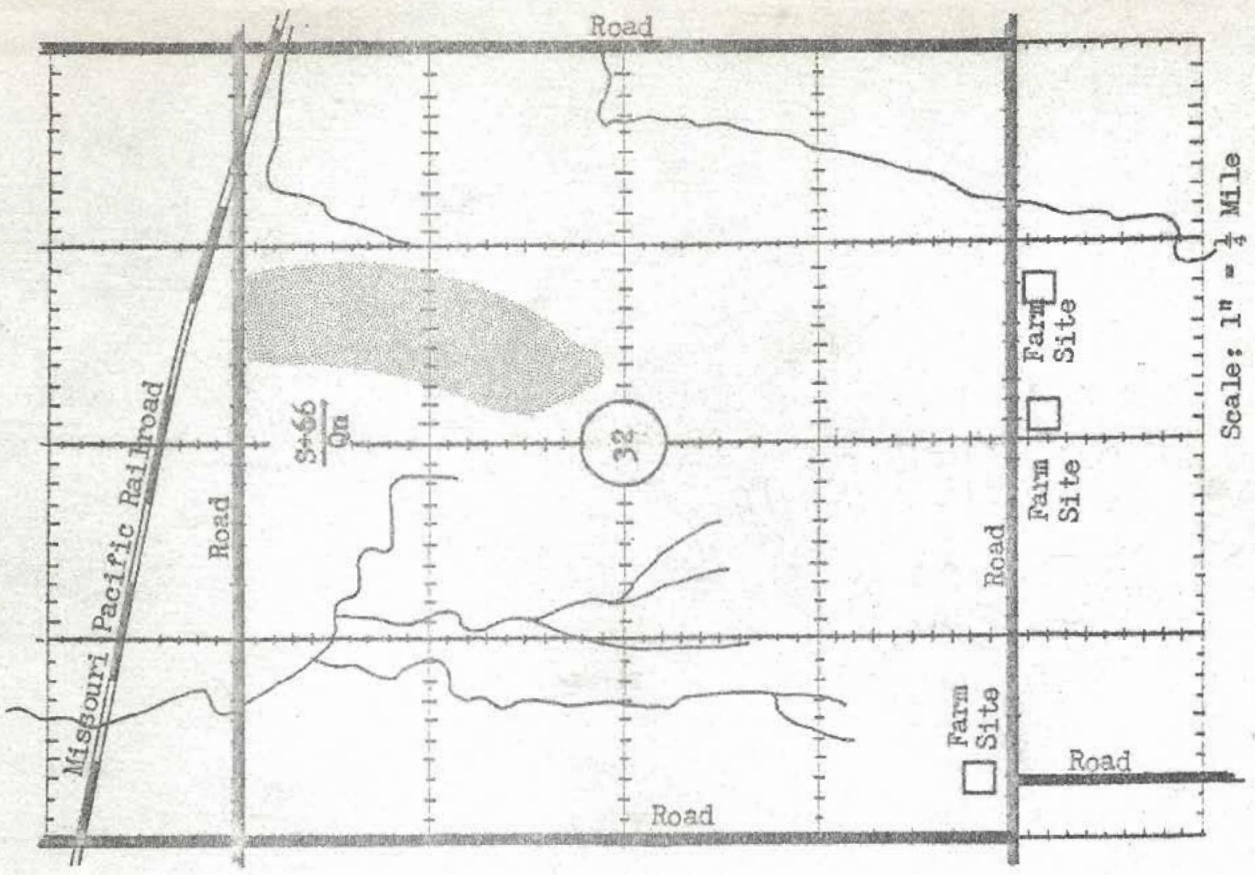
STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. S+66 DATE May, 1964  
On  
 MATERIAL Sand COUNTY Summer  
 LOCATION NE 1/4 SEC. 32 TWP. 30S RANGE 3W  
 OWNER Fred J. Lange Conway Springs, Kansas  
 name address  
 TENANT \_\_\_\_\_ address \_\_\_\_\_  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

Test hole	Material at bottom of hole	Depth of Overburden	Depth of Materials Hole	EXPLORATION DATA																
				1/2	3/4	7/8	4	8	10	16	30	40	50	100	200	ft. PI				

CORRELATION DATA  
 GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SG-67  
Okd

SITE NO. \_\_\_\_\_ DATE May, 1964  
 MATERIAL Sand and Gravel COUNTY Summer  
 LOCATION E<sub>1</sub>, SE<sub>1</sub> SEC. 11 TWP. 33S RANGE 3W  
 OWNER Edward J. Ross Mayfield, Kansas  
 name address  
 TENANT \_\_\_\_\_ address \_\_\_\_\_  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled.

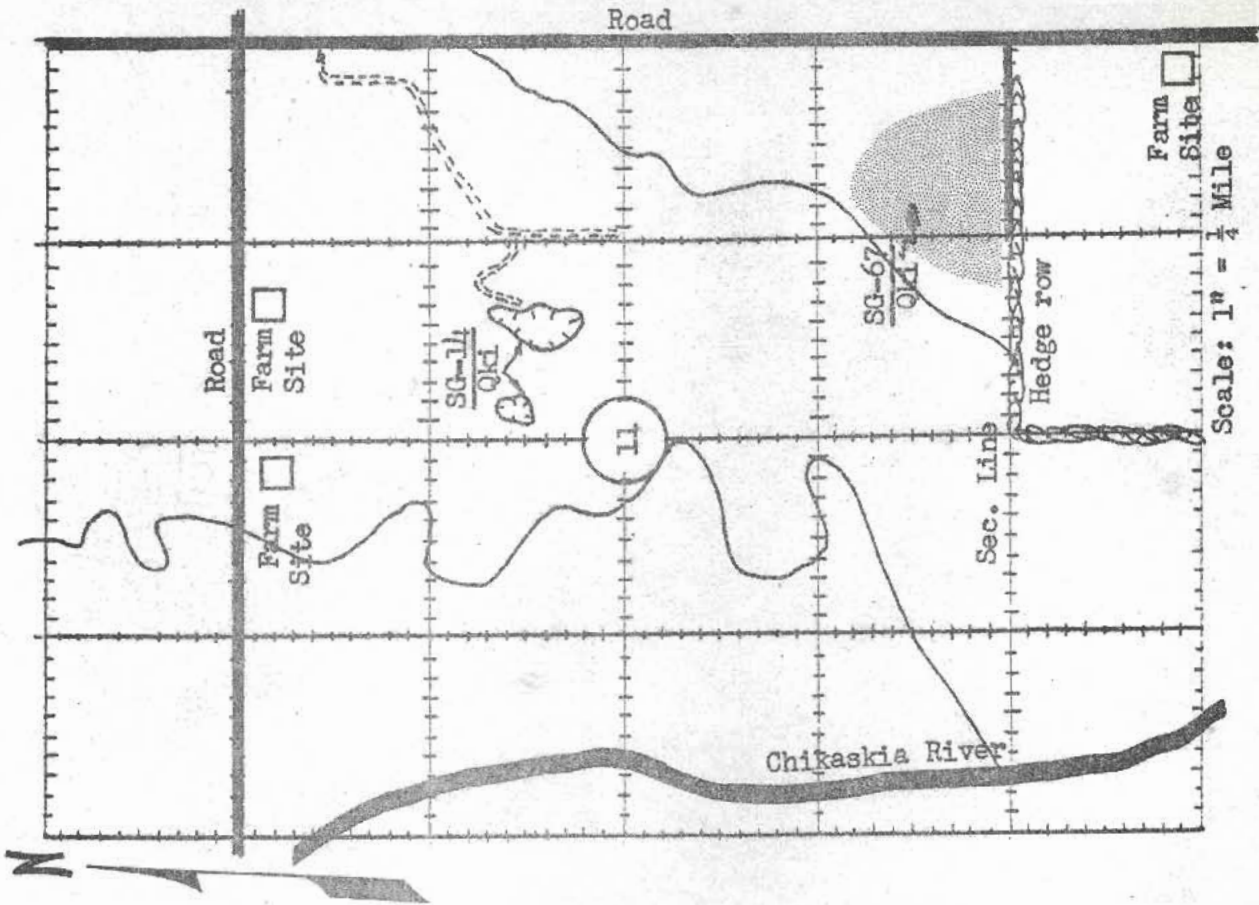
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material Hole	EXPLORATION DATA																	
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	PI.				

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+68  
Qkl

DATE May, 1964

MATERIAL Sand and Gravel COUNTY Sumner

LOCATION NE 1/4 SEC. 11 TWP. 33S RANGE 3W

OWNER Nelson A. Stafford address Mayfield, Kansas

TENANT \_\_\_\_\_ name \_\_\_\_\_ address \_\_\_\_\_

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials Hole	Percent Retained								Wash 200 LL PI										
				1/2	3/4	7/8	4	B	10	15	30		40	50	100	200						

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_

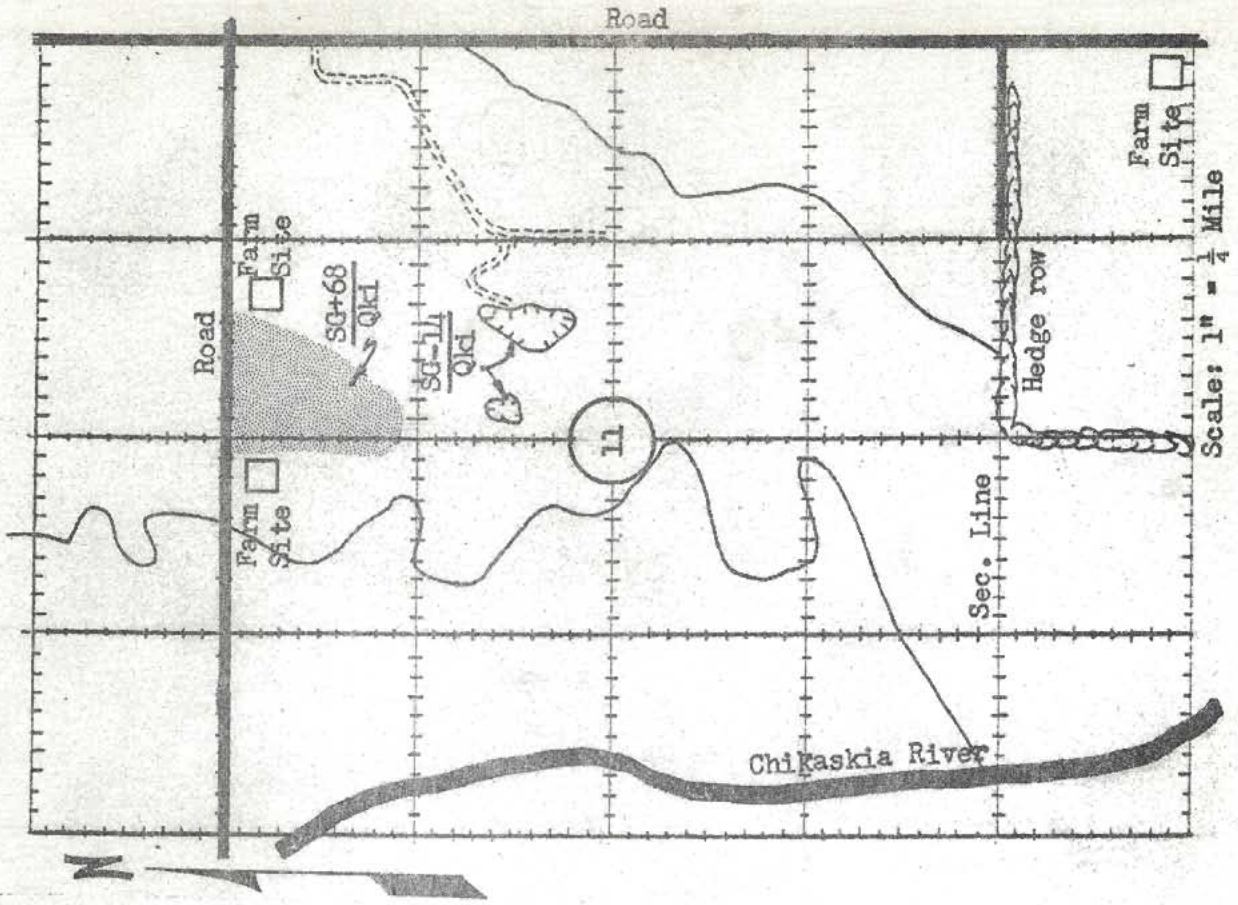
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SC+69  
QK1

MATERIAL Sand and Gravel

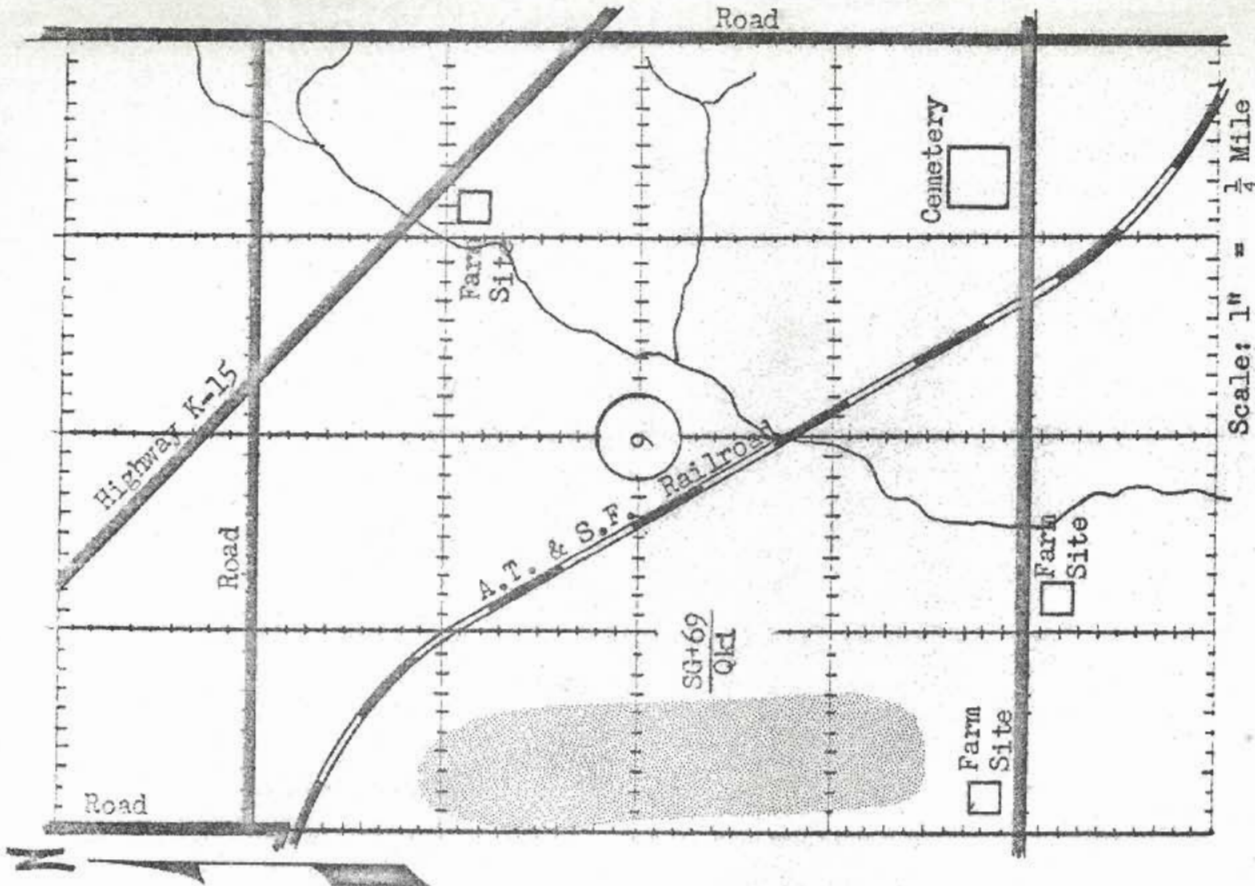
LOCATION W $\frac{1}{2}$  SEC. 9 TWP. 30S RANGE 2E

OWNER Jane Robinson Shaw  
name address

TENANT \_\_\_\_\_ name address

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled



EXPLORATION DATA

Material at Bottom of Hole	Depth of Over-purged	Depth of Materials Hole	Depth of Hole	Percent Retained	Wash	PI
				1 1/2	3/4	
				7/8		
				4		
				8		
				10		
				16		
				30		
				40		
				50		
				100		
				200		

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

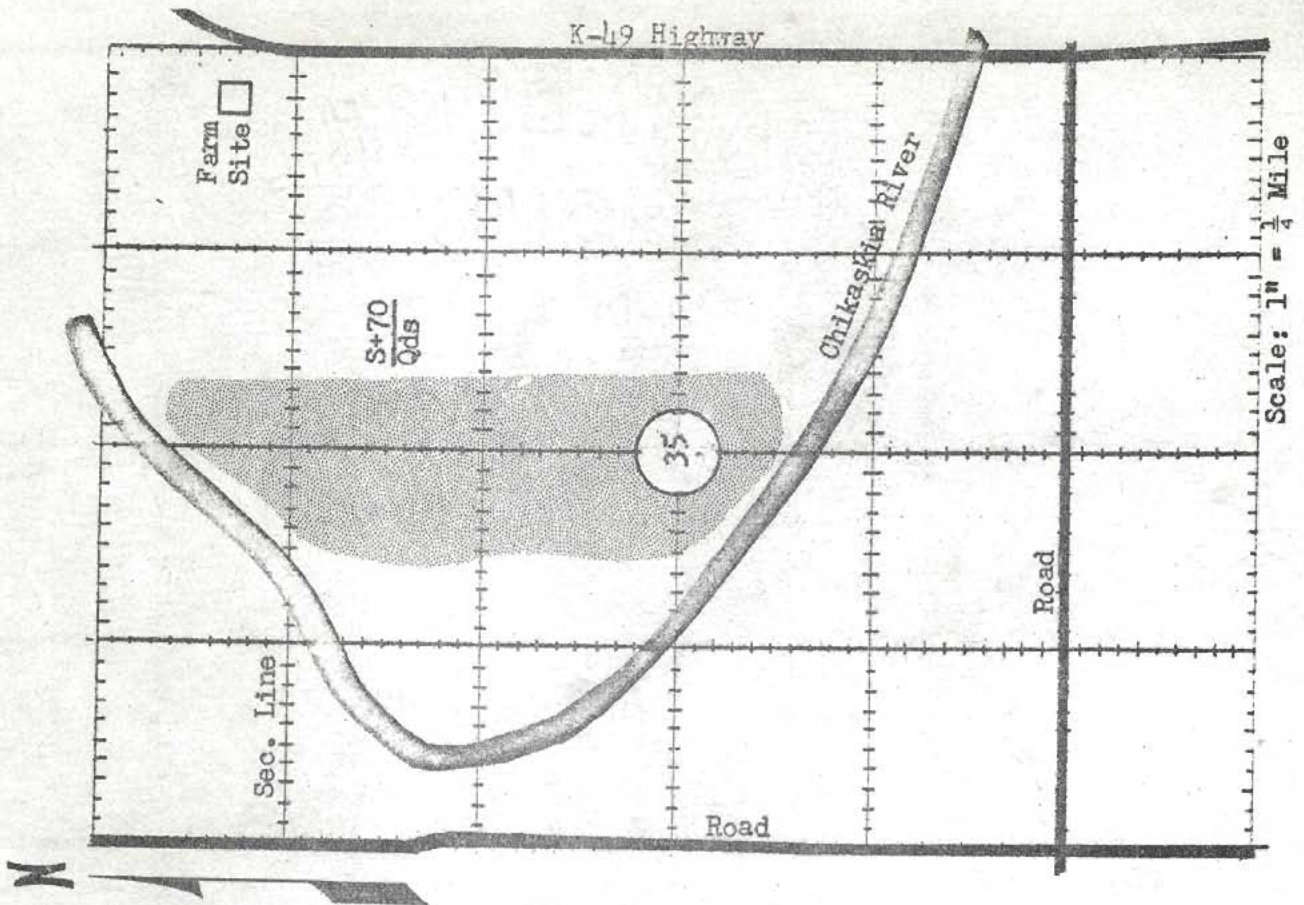
REMARKS: \_\_\_\_\_

STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. S+70  
Qds  
 MATERIAL Sand  
 LOCATION N $\frac{1}{2}$  SEC. 35 TWP. 33S RANGE 3W  
 OWNER Marion Atkinson address Caldwell, Kansas  
 TENANT and M. B. Dusenbery address Caldwell, Kansas  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Fair  
 STATUS OF SITE Prospective site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Mottled Hole	EXPLORATION DATA													
				Percent Retained													
				1/2	3/4	7/8	4	8	10	16	30	40	50	100	200	Wash	P.I.

CORRELATION DATA  
 GEOLOGICAL AGE Recent GEOLOGICAL SOURCE Sand dunes  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+71  
Qkl

MATERIAL Sand and Gravel

LOCATION W $\frac{1}{2}$  SEC. 29 TWP. 33S RANGE 2W  
Wellington, Kansas

OWNER Carl and Martin Kern  
name

TENANT \_\_\_\_\_  
name

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

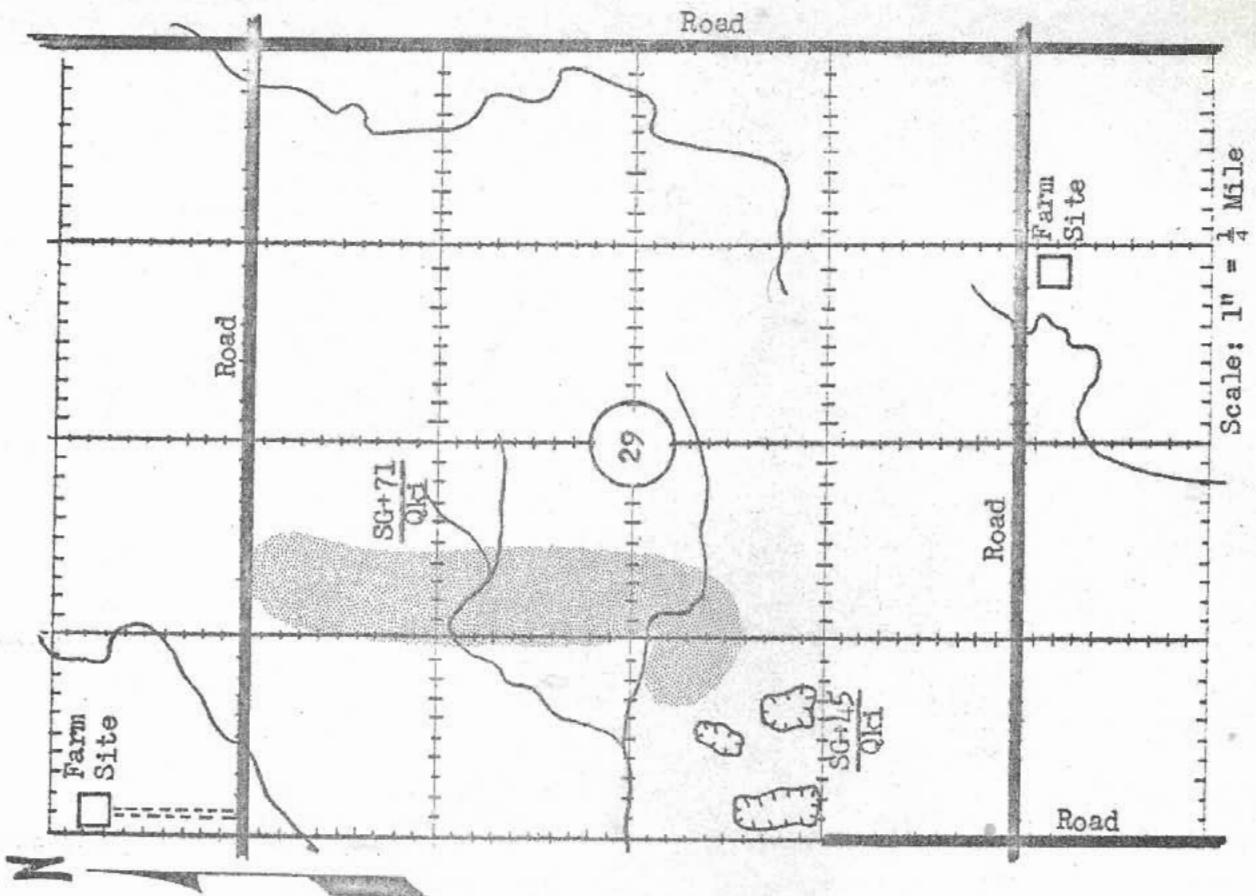
EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	Percent Retained	Wash	LL	PI				
					A	B	40	50	100	200		
			$1\frac{1}{2}$	$3\frac{3}{4}$								

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
SG+45  
MATERIAL SIMILAR TO material in site Qkl

REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

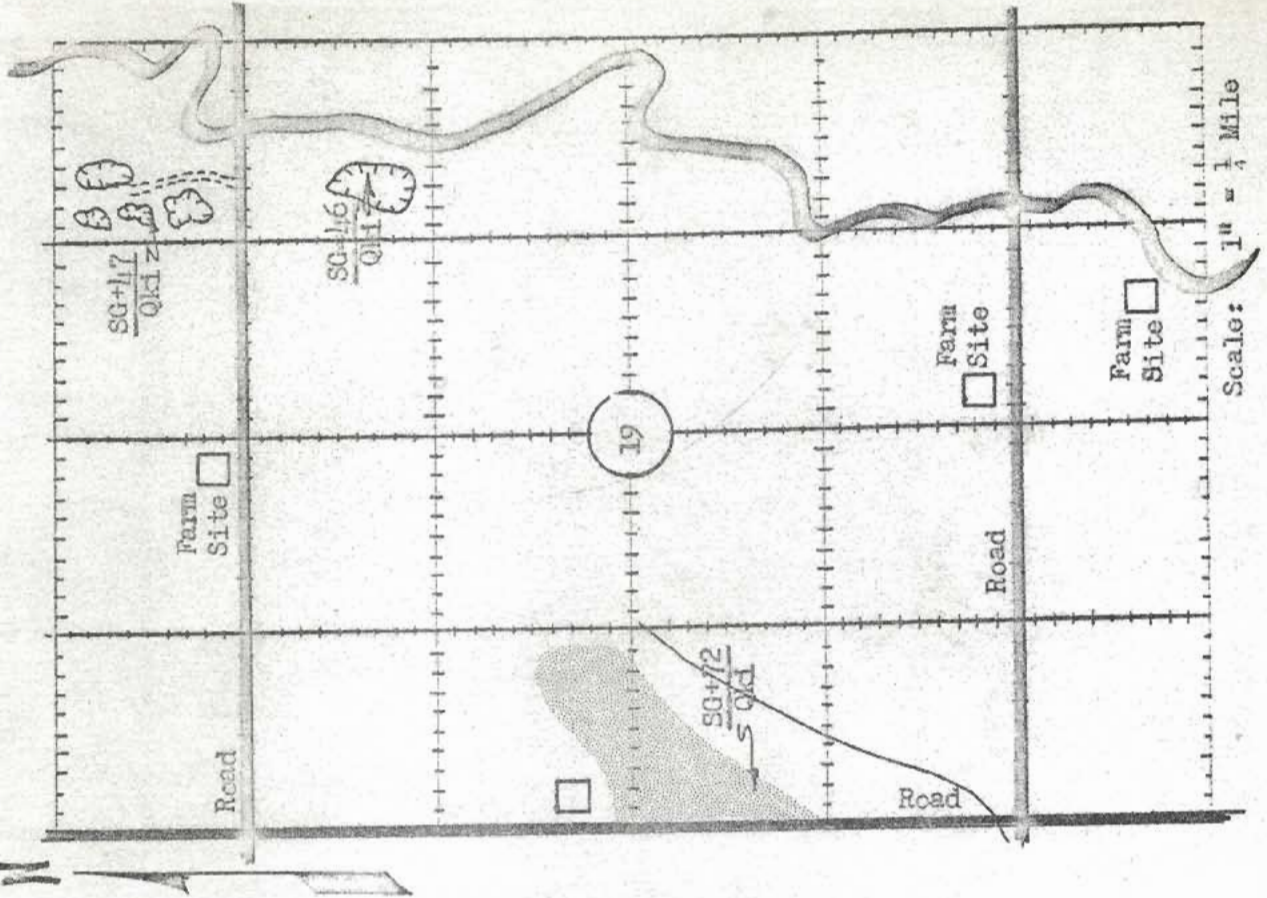
SITE NO. SG+72  
Qkd  
MATERIAL Sand and Gravel  
LOCATION NW $\frac{1}{4}$ , SW $\frac{1}{4}$  SEC. 19 TWP. 33S RANGE 2W  
OWNER Bernadine Ethel Barnes Rt. 3 Wellington, Kansas  
TENANT \_\_\_\_\_ name \_\_\_\_\_ address \_\_\_\_\_  
NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
STATUS OF SITE Prospective site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Core-portion	Depth of Materials	Depth of Hole	EXPLORATION DATA												
					Percent Returned												
			1 1/2	3/4	7/8	4	8	10	15	30	40	50	100	200	Wash	1-1	PI

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
MATERIAL SIMILAR TO Material in site SG-46  
Qkd

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





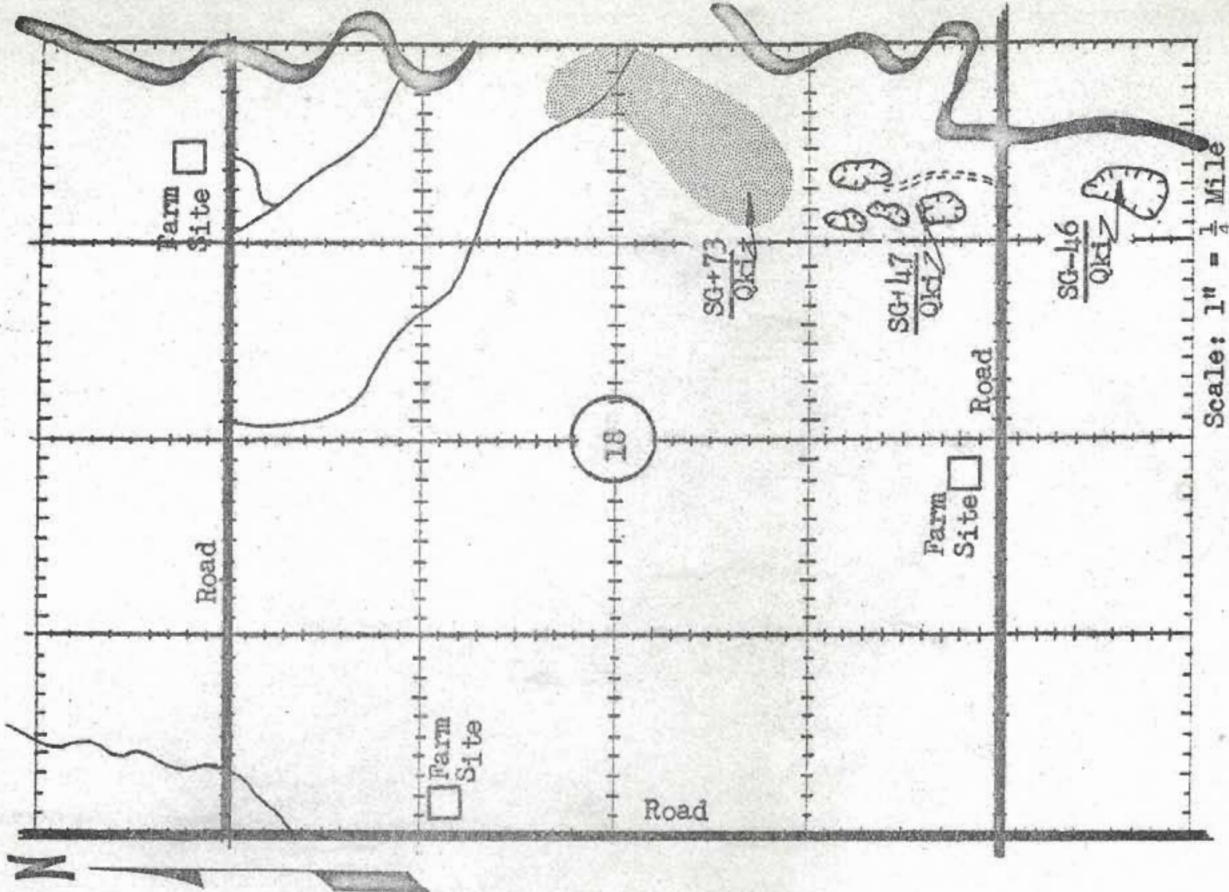
STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+73  
QdL  
DATE May, 1964  
MATERIAL Sand and Gravel COUNTY Sumner  
LOCATION E $\frac{1}{2}$ , SE $\frac{1}{4}$  SEC. 18 TWP. 33S RANGE 2W  
OWNER Louis Eckerman address Caldwell, Kansas  
TENANT \_\_\_\_\_ address \_\_\_\_\_  
NATURE OF DEPOSIT Dry ACCESSIBILITY Fair  
STATUS OF SITE Prospective site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Proferible Hole	Depth of Hole	EXPLORATION DATA																
					Percent Retained																
					1/2	3/4	1	2	3	4	5	10	15	30	40	50	100	200	Wash	PI	

CORRELATION DATA  
GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE SG+17 High terrace  
MATERIAL SIMILAR TO material in site QdL

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

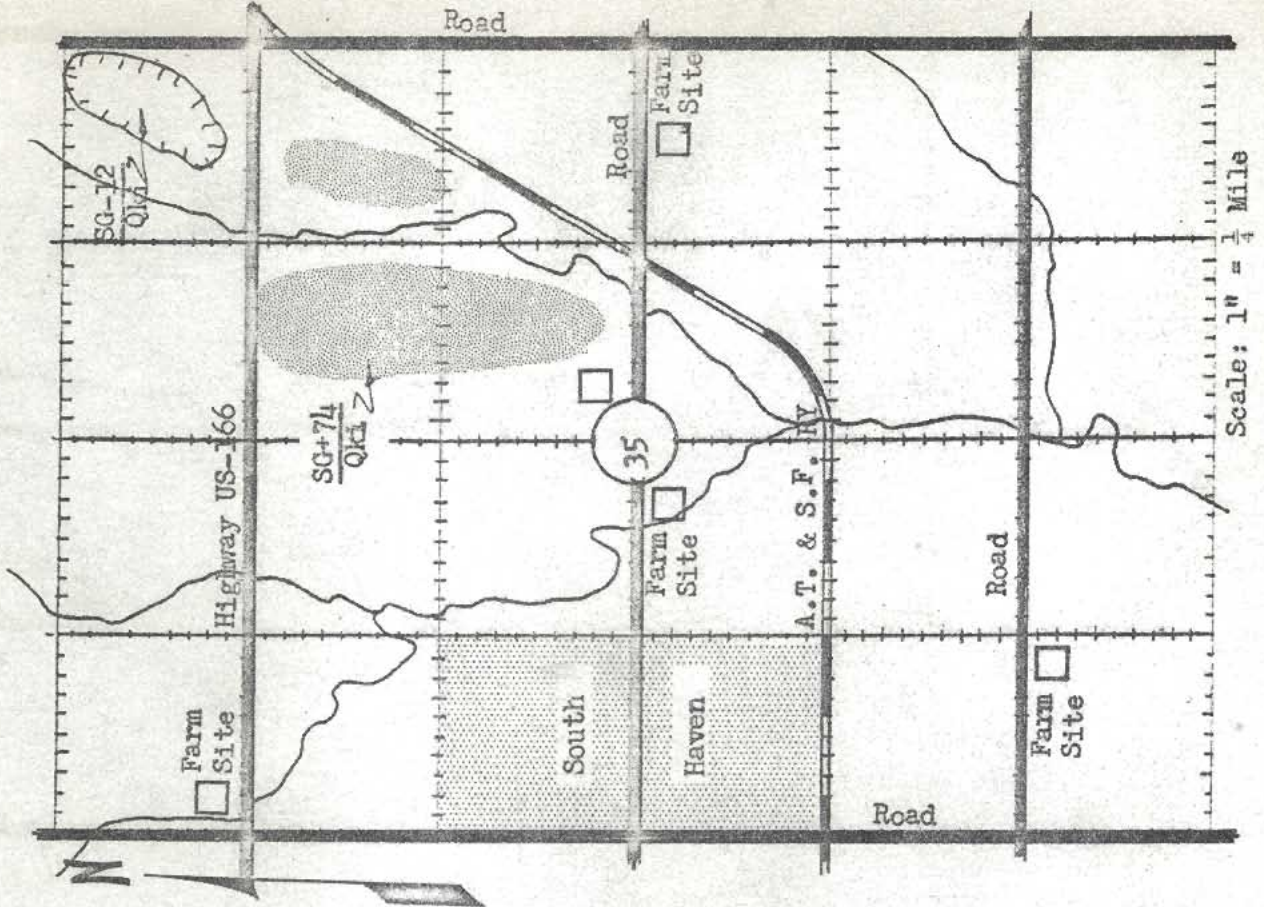
SG+74  
QK1

SITE NO. \_\_\_\_\_ DATE May, 1964  
 MATERIAL Sand and Gravel COUNTY Sumner  
 LOCATION NE $\frac{1}{4}$  SEC. 35 TWP. 34S RANGE 1W  
 OWNER E $\frac{1}{2}$ , NE $\frac{1}{4}$  Robert M. Rarks South Haven, Kansas  
~~OWNER~~ W $\frac{1}{2}$ , NE $\frac{1}{4}$  Charley F. Mirt address 1124 Bitting Ave. Wichita, Kan.  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

Test Hole	Depth of Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	Percent Retained													
					1/2	3/4	7/8	4	8	10	16	30	40	50	100	200	L 1 L	P 1

CORRELATION DATA  
 GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+75  
QKI

DATE May, 1964

MATERIAL Sand and Gravel COUNTY Summer

LOCATION NE 1/4 SEC. 26 TWP. 32S RANGE 1W

OWNER Bemas C. Houser address 1703 N. C Wellington, Kansas

TENANT \_\_\_\_\_ address \_\_\_\_\_

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material Hole	EXPLORATION DATA												
				Percent Retained												
				1 1/2	3/4	7/8	4	8	10	16	30	40	50	100	200	U.S. P.I.

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

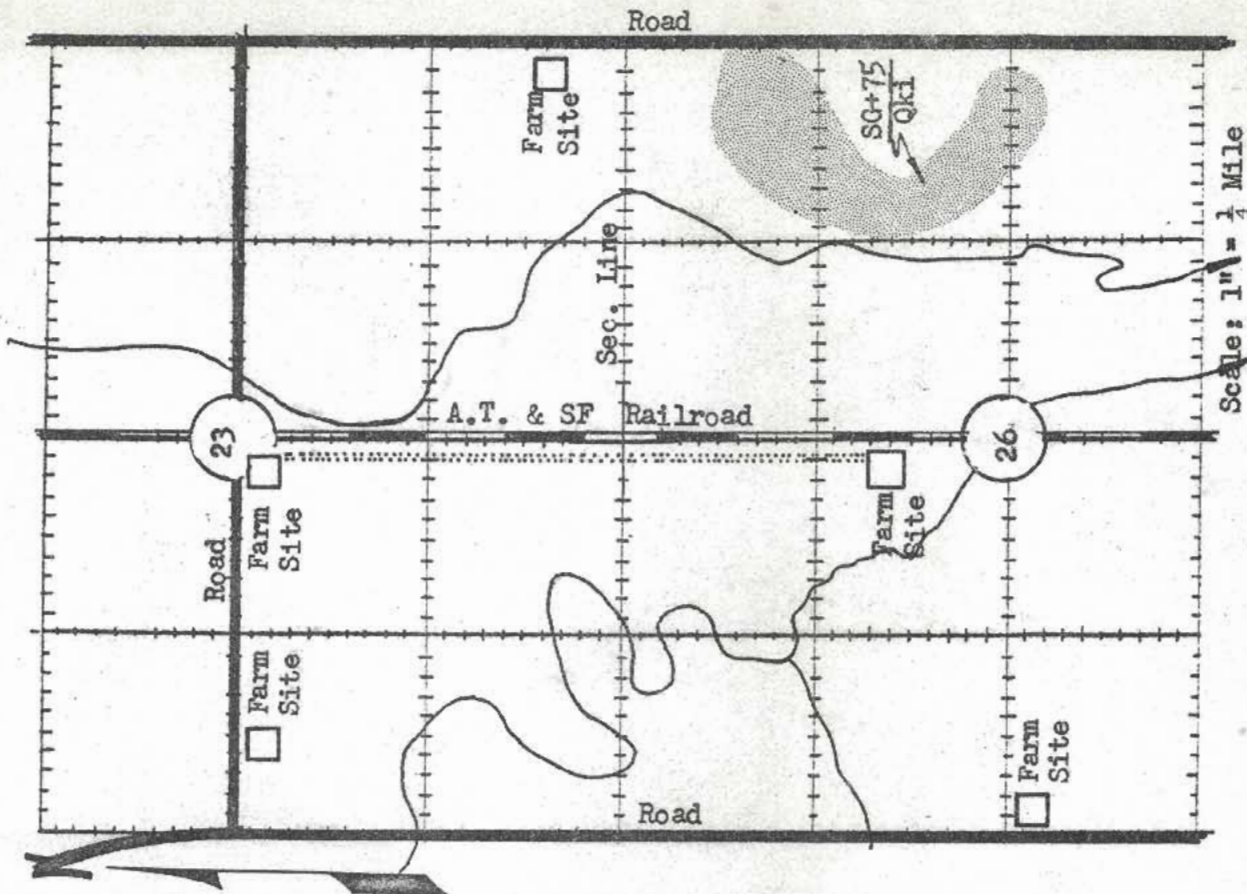
MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+76  
Qkl

MATERIAL Sand and Gravel

LOCATION N<sub>2</sub>, SE<sub>1</sub> SEC. 25 TWP. 32S RANGE 1W

OWNER Robert H. Hackney Rt. 3, Wellington, Kansas

TENANT \_\_\_\_\_ name \_\_\_\_\_ address \_\_\_\_\_

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled

EXPLORATION DATA

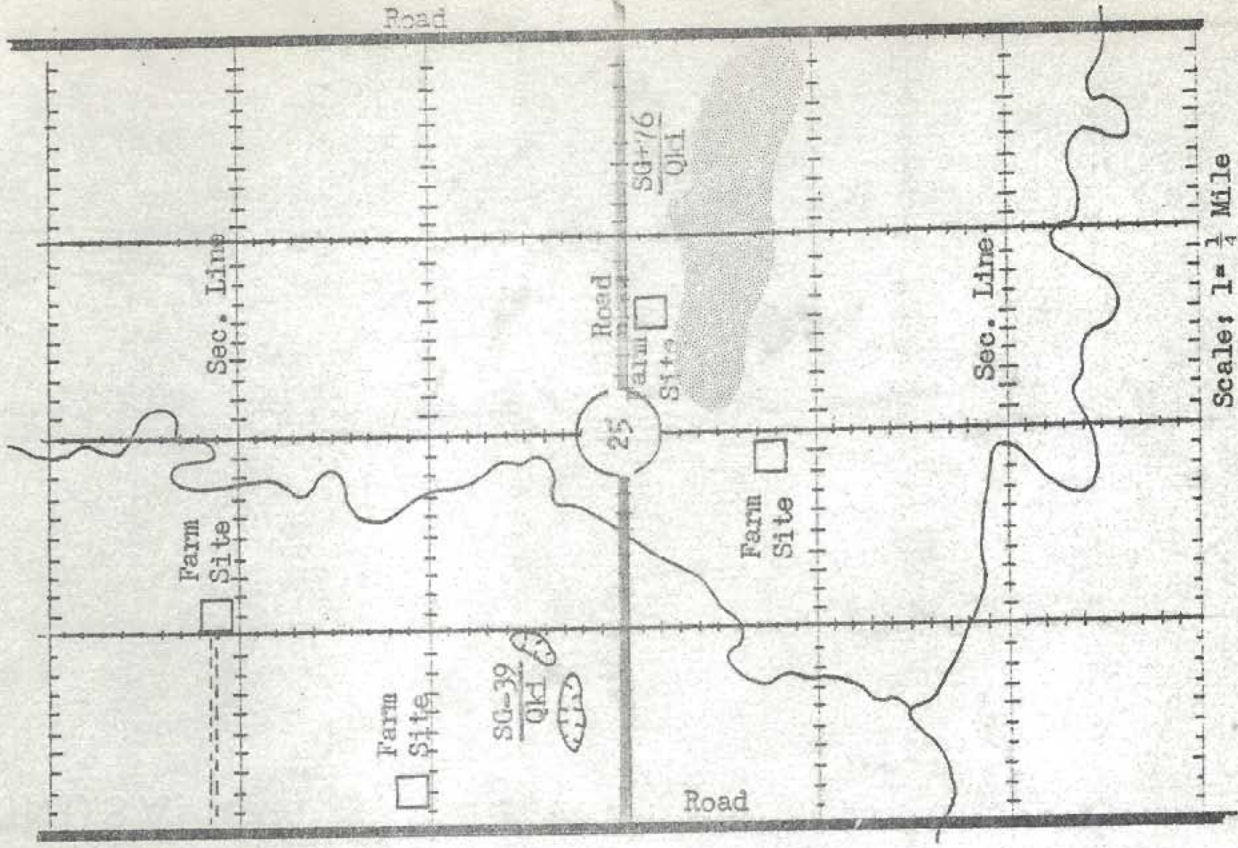
Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Materials in Hole	Depth of Hole	Percent Retrieved	Wash	L. U.	P. I.
			1 1/2		0	100		
			3/4		4			
					8			
					10			
					16			
					30			
					40			
					50			
					100			
					200			

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_

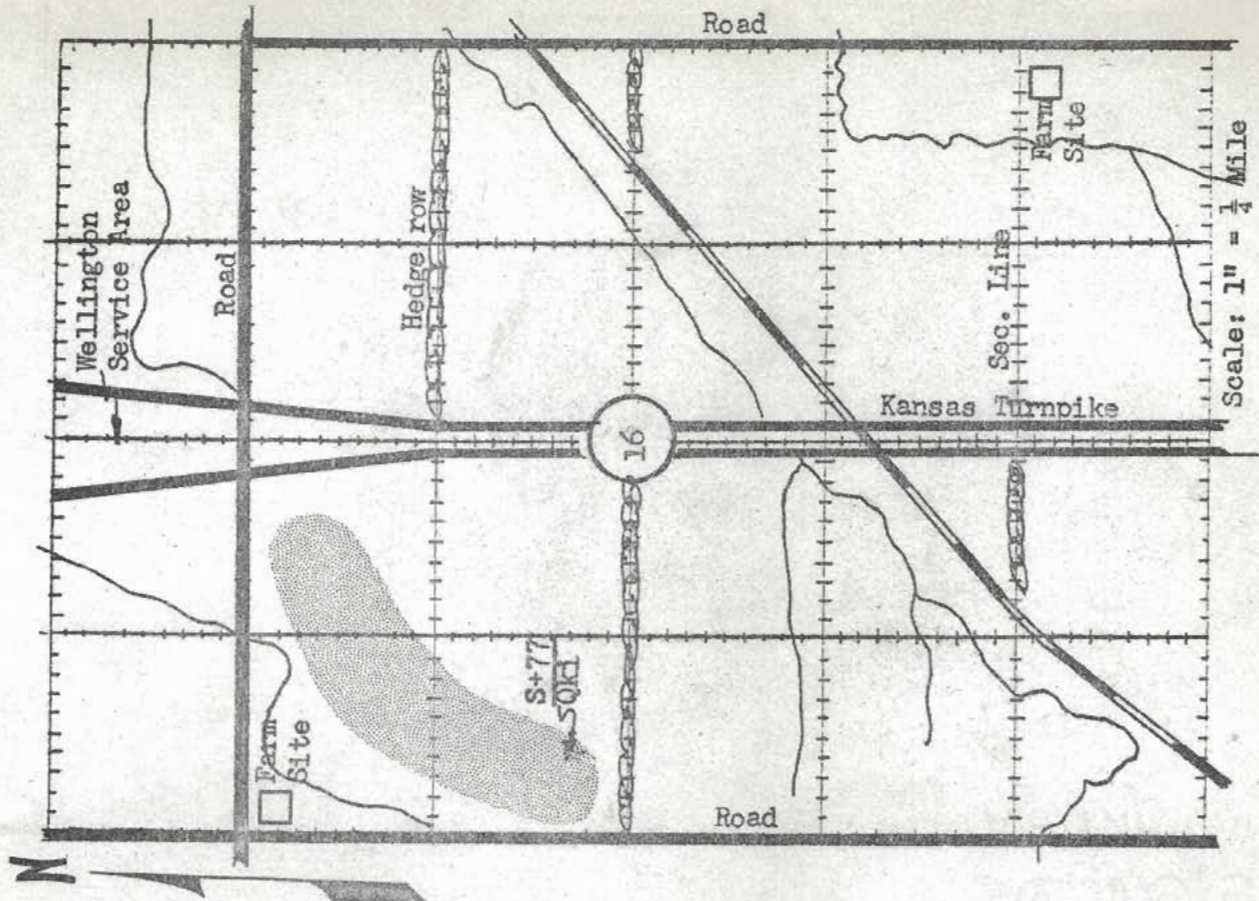


STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

S+77  
SITE NO. QKI DATE May, 1964  
MATERIAL Sand COUNTY Sumner  
LOCATION NW $\frac{1}{4}$  SEC. 16 TWP. 31S RANGE 1E  
OWNER Glenn Teague R.R. 2 Belle Plaine, Kansas  
TENANT \_\_\_\_\_ address \_\_\_\_\_  
NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
STATUS OF SITE Prospective site; not sampled

Material at Bottom of Hole	Depth of Overburden	Depth of Materials	Depth of Hole	EXPLORATION DATA													
				Percent Retained													
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Wash	P.L.

CORRELATION DATA  
GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
MATERIAL SIMILAR TO \_\_\_\_\_  
REMARKS: \_\_\_\_\_  
\_\_\_\_\_

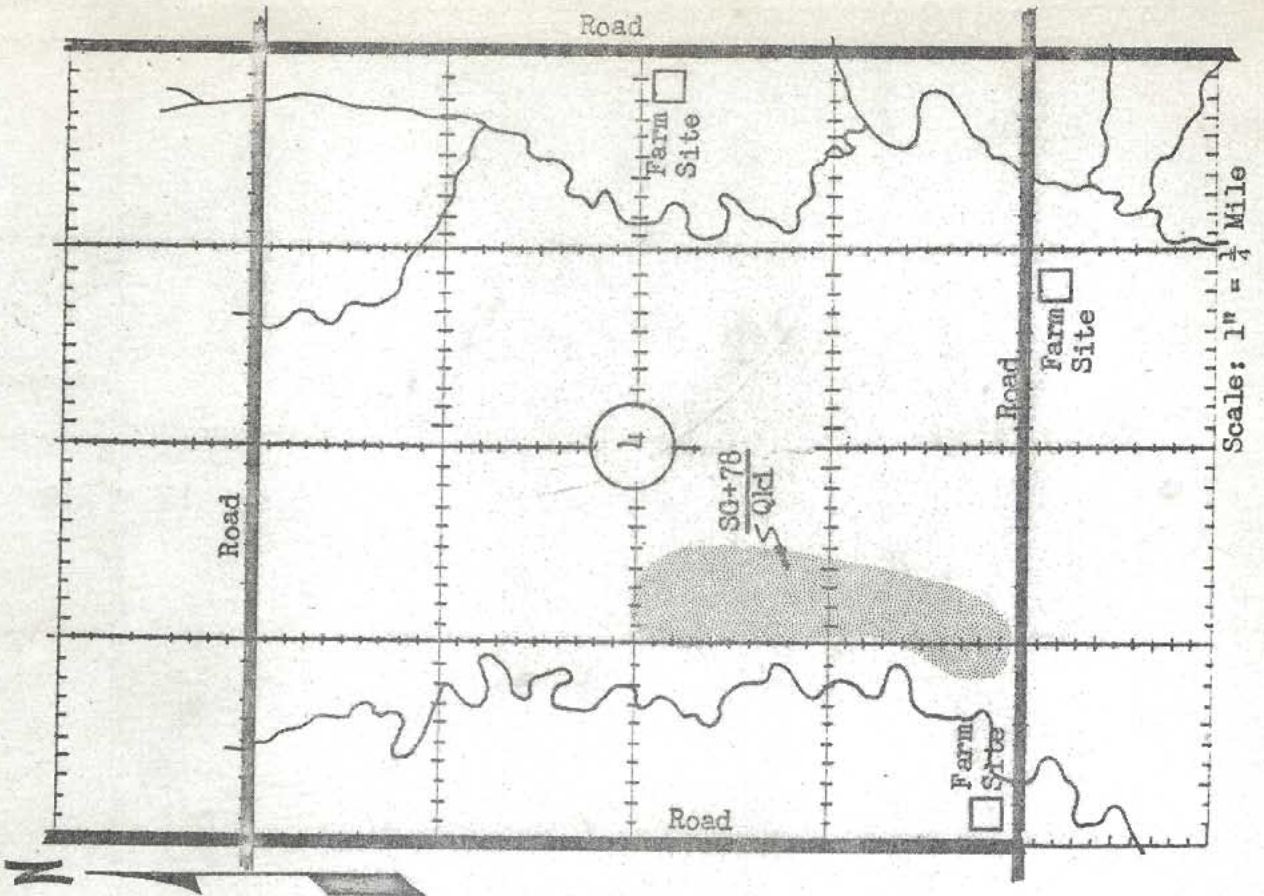


STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+78  
Qkd  
 MATERIAL Sand and Gravel  
 DATE May, 1961  
 COUNTY Sumner  
 LOCATION E 1/2, SW 1/4 SEC. 4 TWP. 35S RANGE 1E  
 OWNER Ferd W. Demmer 1812 W. Cherokee, Enid, Oklahoma  
 name address  
 TENANT \_\_\_\_\_  
 name address  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Meterable Hole	Depth of Hole	EXPLORATION DATA													
					Percent Retained													
					1 1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	LLL	PI

CORRELATION DATA  
 GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS: \_\_\_\_\_



STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SC-79  
Okla  
DATE May, 1964  
MATERIAL Sand and Gravel COUNTY Summer  
LOCATION NW $\frac{1}{4}$ , SE $\frac{1}{2}$  SEC. 18 TWP. 35S RANGE 1E  
OWNER Mary A. Nation address 1621 W. 8th Wellington, Kansas  
TENANT \_\_\_\_\_ address \_\_\_\_\_  
NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
STATUS OF SITE Prospective site; not sampled

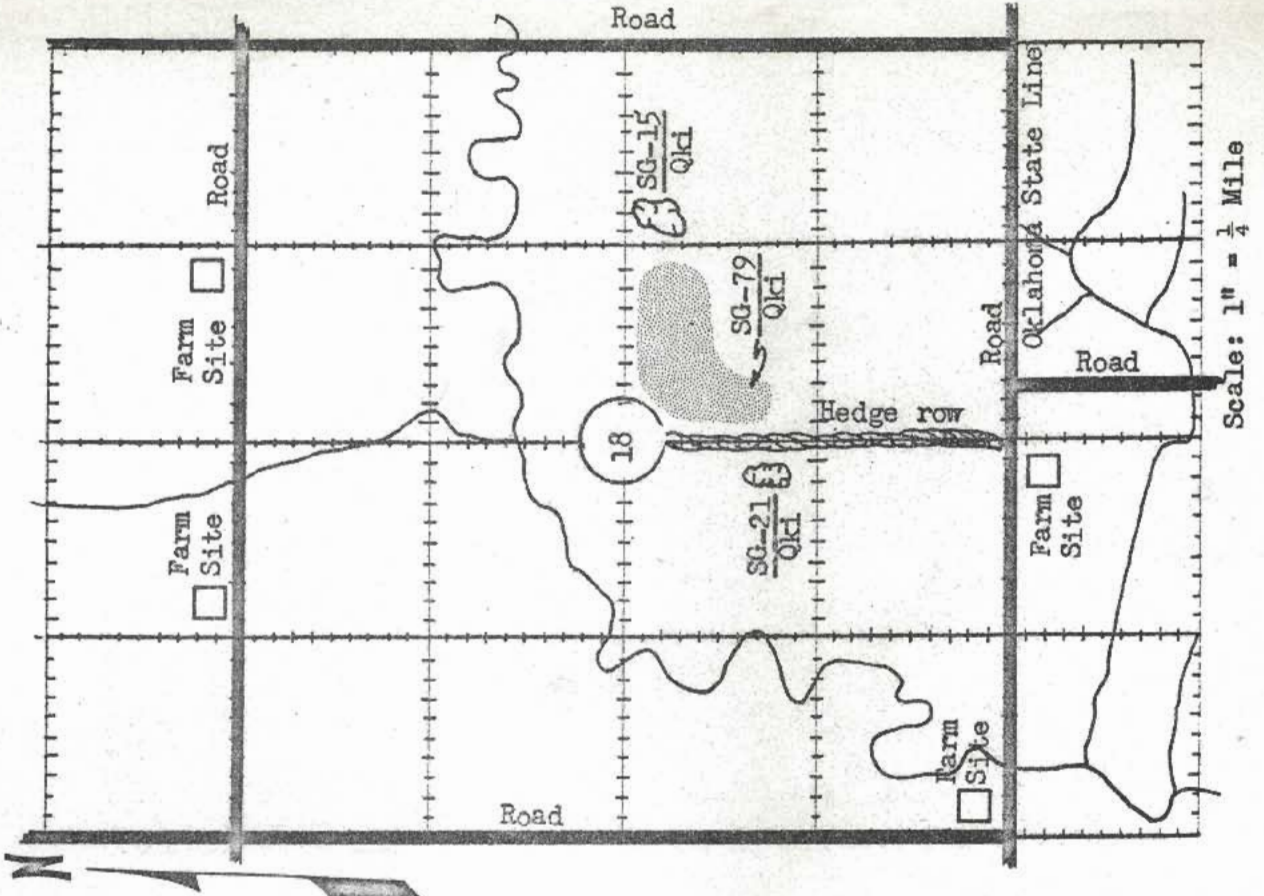
EXPLORATION DATA

Test Hole	Material of Bottom of Hole	Depth of Overburden	Depth of Material Hole	Percent Retained											Wash 200	L.I.	P.I.				
				1 1/2	3/4	3/8	4	8	10	16	30	40	50	100				200			

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
MATERIAL SIMILAR TO \_\_\_\_\_

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

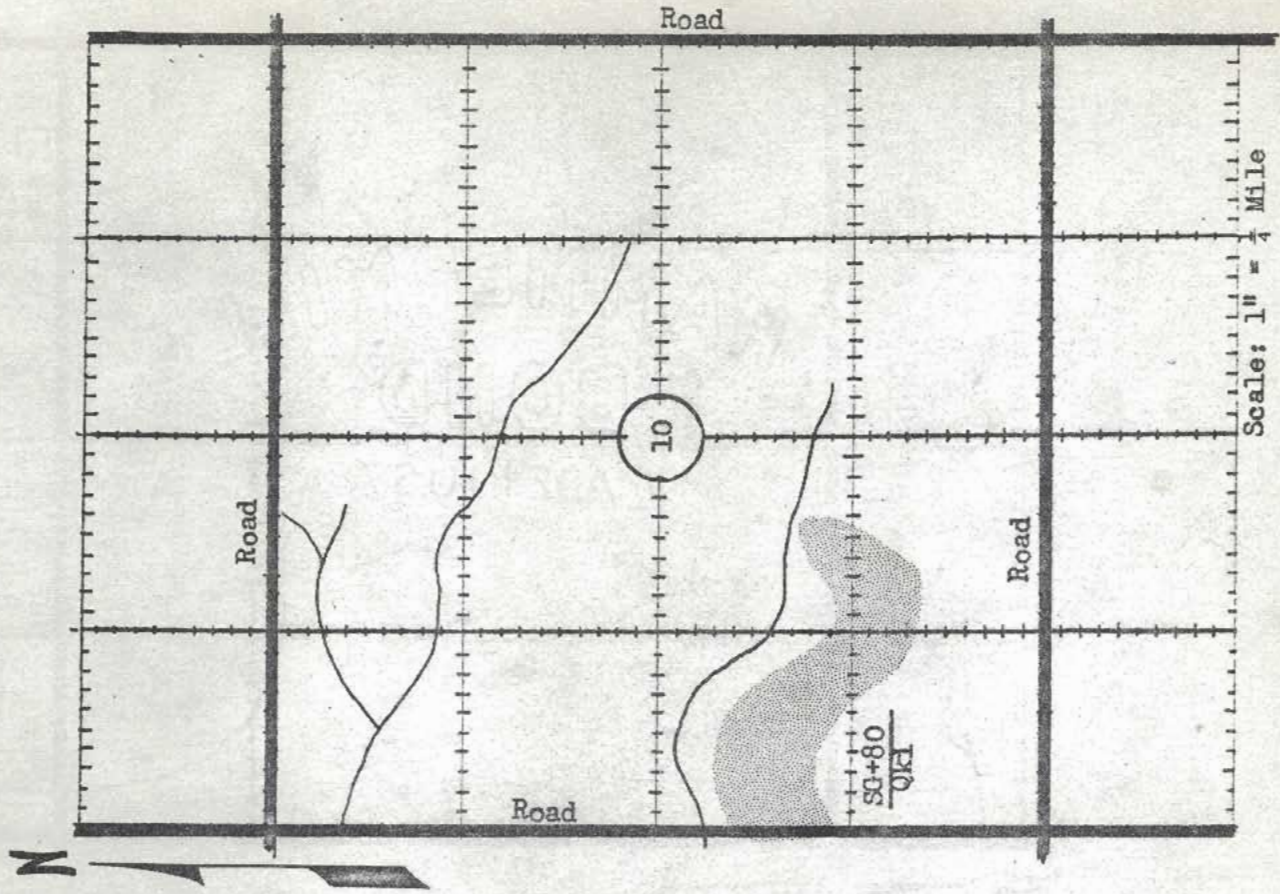


STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. 50+80 / Qkl DATE May, 1964  
 MATERIAL Sand and Gravel COUNTY Summer  
 LOCATION SW $\frac{1}{4}$  SEC. 10 TWP. 35S RANGE 1E  
 OWNER Rosalind Bowers 3700 Sleepy Hollow Dr. Wichita, Kansas  
 TENANT \_\_\_\_\_ name \_\_\_\_\_ address \_\_\_\_\_  
 NATURE OF DEPOSIT Dry ACCESSIBILITY Good  
 STATUS OF SITE Prospective site; not sampled

Test Hole	Material at Bottom of Hole	Depth of Overburden	Depth of Material	EXPLORATION DATA													
				Percent Retained													
				1/2	3/4	1	2	4	8	16	30	40	50	100	200	Wash	P.L.

CORRELATION DATA  
 GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace  
 MATERIAL SIMILAR TO \_\_\_\_\_  
 REMARKS: \_\_\_\_\_





STATE HIGHWAY COMMISSION OF KANSAS  
MATERIAL SURVEY REPORT

SITE NO. SG+81  
Qkl

MATERIAL Sand and Gravel

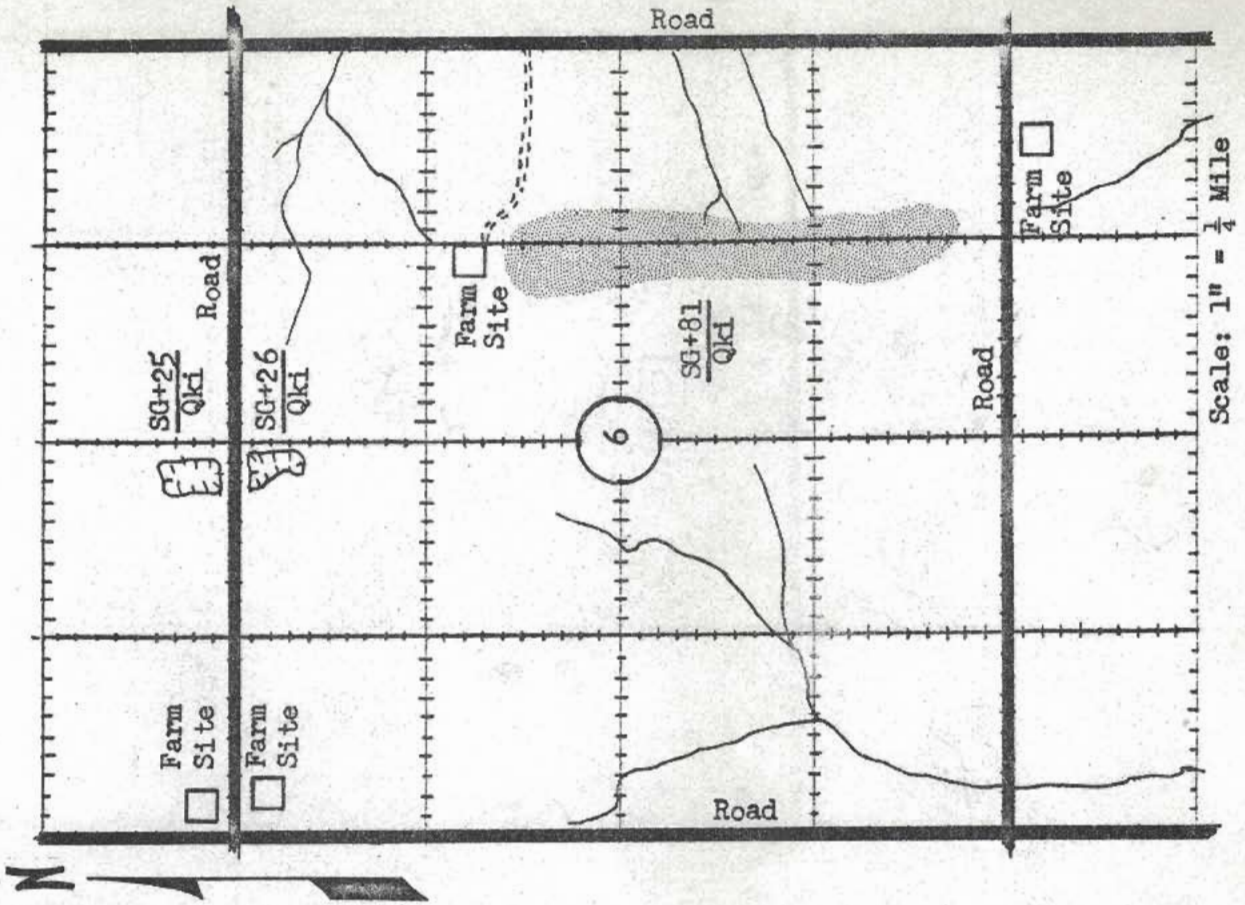
LOCATION E $\frac{1}{2}$  SEC. 6 TWP. 31S RANGE 2E

OWNER SE $\frac{1}{4}$  Charlie E. Swain  
name 807 W. 48th St. Kansas City, Mo.

~~PROPERTY~~ NE $\frac{1}{4}$  W. H. Nugen  
name Geuda Springs, Kansas

NATURE OF DEPOSIT Dry ACCESSIBILITY Good

STATUS OF SITE Prospective site; not sampled



Test Hole	Material at Bottom of Hole	Depth of Core- burden	Depth of Molerible Hole	Depth of Hole	EXPLORATION DATA													
					Percent Retained													
					1/2	3/4	3/8	4	8	10	16	30	40	50	100	200	Width of Pl.	

CORRELATION DATA

GEOLOGICAL AGE Pleistocene GEOLOGICAL SOURCE High terrace

MATERIAL SIMILAR TO \_\_\_\_\_

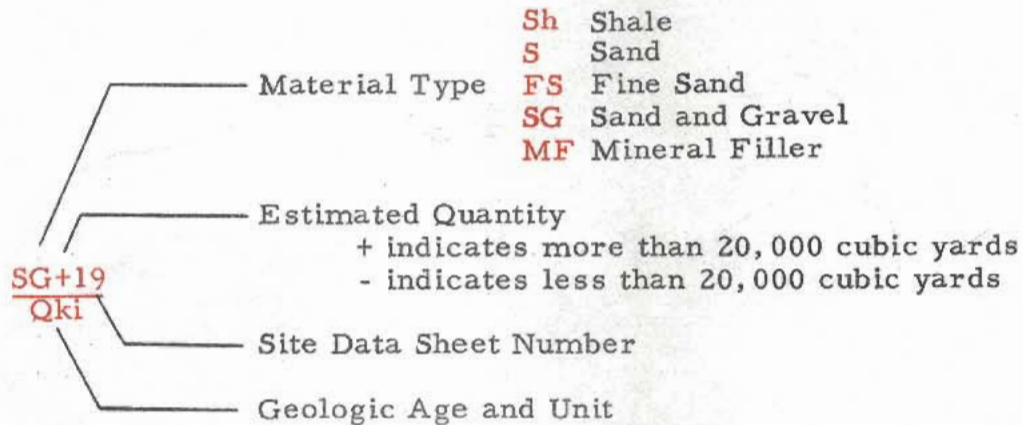
REMARKS: \_\_\_\_\_

# SUMNER COUNTY MATERIALS MAP

## LEGEND

### EXPLANATION OF MATERIALS SITE DESIGNATIONS

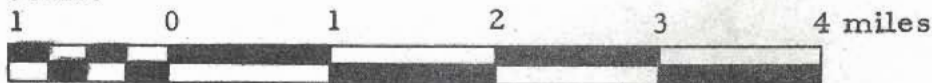
- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▲ Prospective site; sampled (See Appendix III)
- ◆ Prospective site; not sampled (See Appendix IV)



### EXPLANATION OF MAP SYMBOLS

	<b>Qal</b> Alluvium		<b>Qn</b> Nebraskan Terrace Deposits
	<b>Qds</b> Dune Sand		<b>Not Mapped</b>
	<b>Qtw</b> Wisconsinan Terrace Deposits		<b>Not Mapped</b>
	<b>Qki</b> Kansan or Illinoisan Terrace Deposits		<b>Not Mapped</b>
			<b>Pn</b> Ninescah Shale Formation
			<b>Pw</b> Wellington Shale Formation

Scale:



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 BUREAU OF PUBLIC ROADS

R 4 W

R 4 W

R 3 W

# SEDGWICK

R 3 W

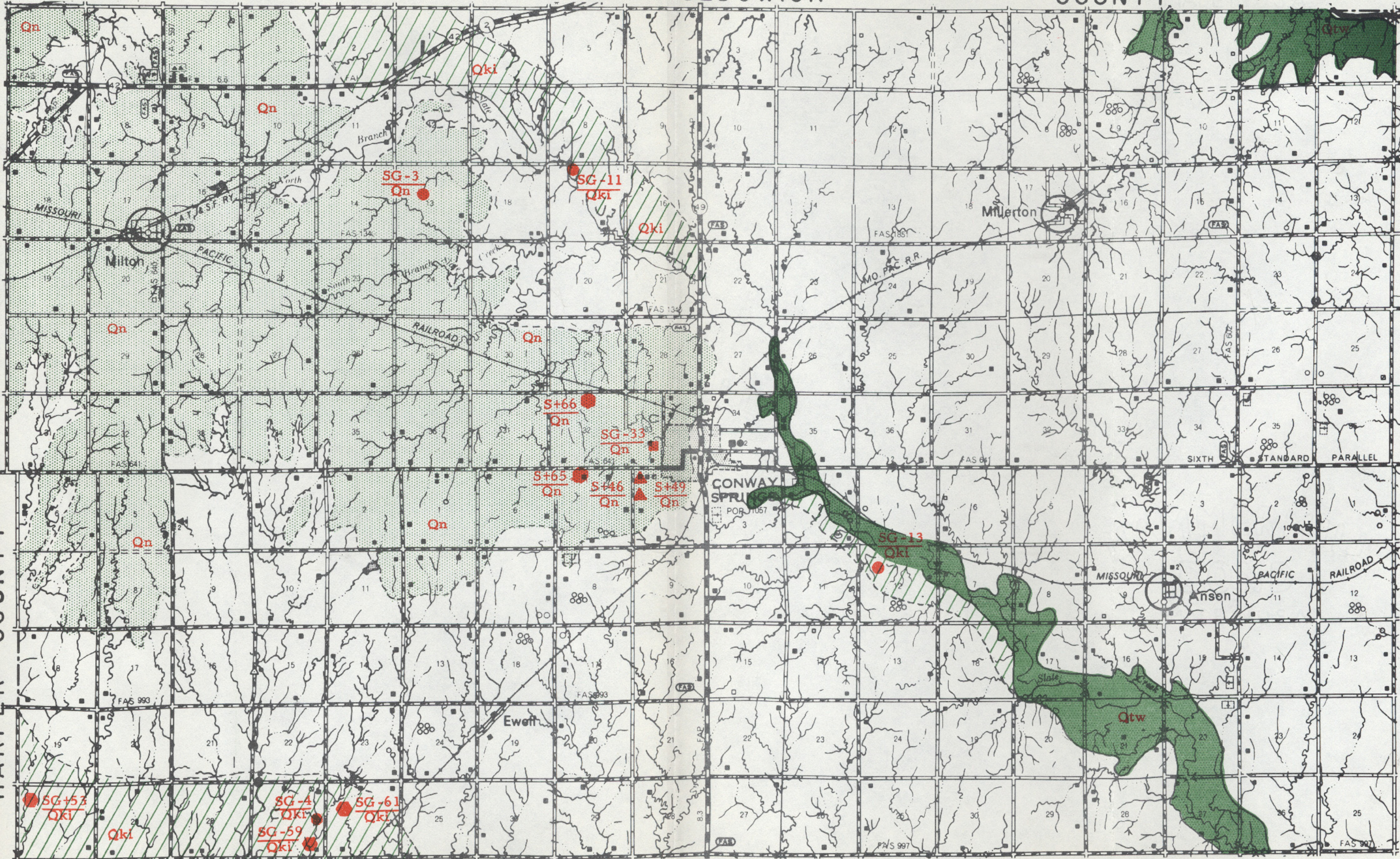
R 2 W

# COUNTY

R 2 W

KINGMAN COUNTY

HARPER COUNTY

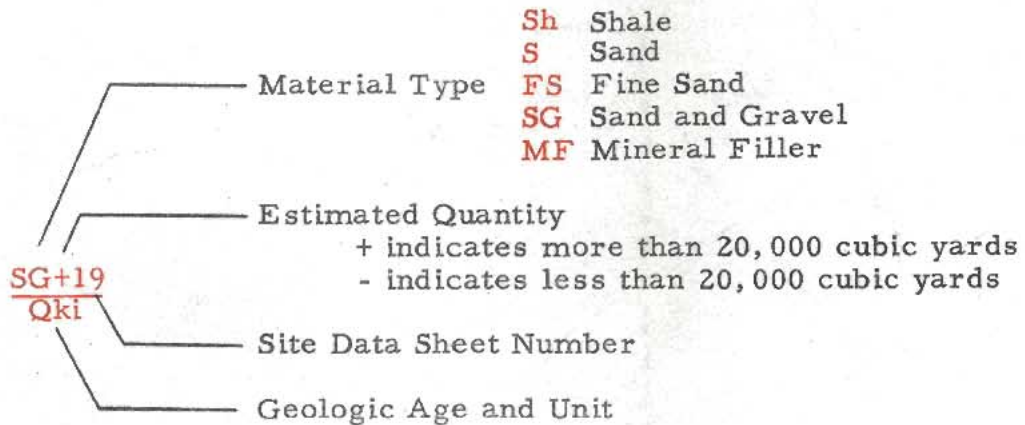


# SUMNER COUNTY MATERIALS MAP

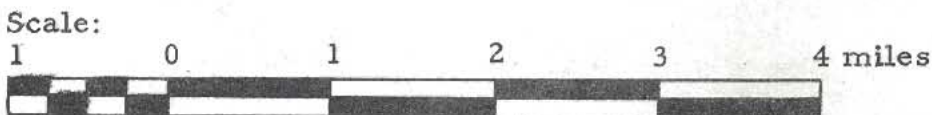
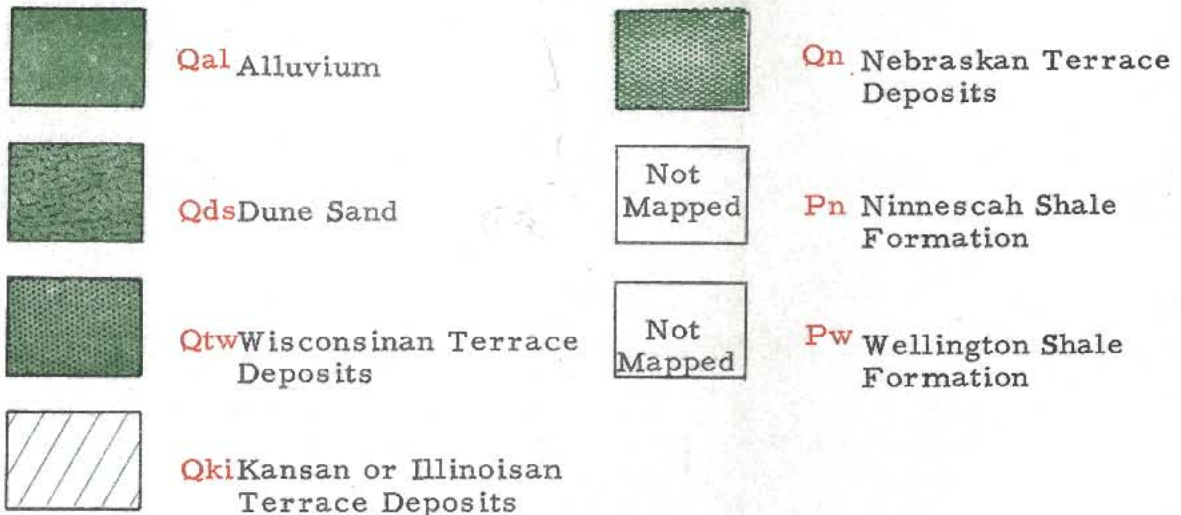
## LEGEND

### EXPLANATION OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▲ Prospective site; sampled (See Appendix III)
- ◆ Prospective site; not sampled (See Appendix IV)



### EXPLANATION OF MAP SYMBOLS



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R 1 W

R 1 W

R 1 E

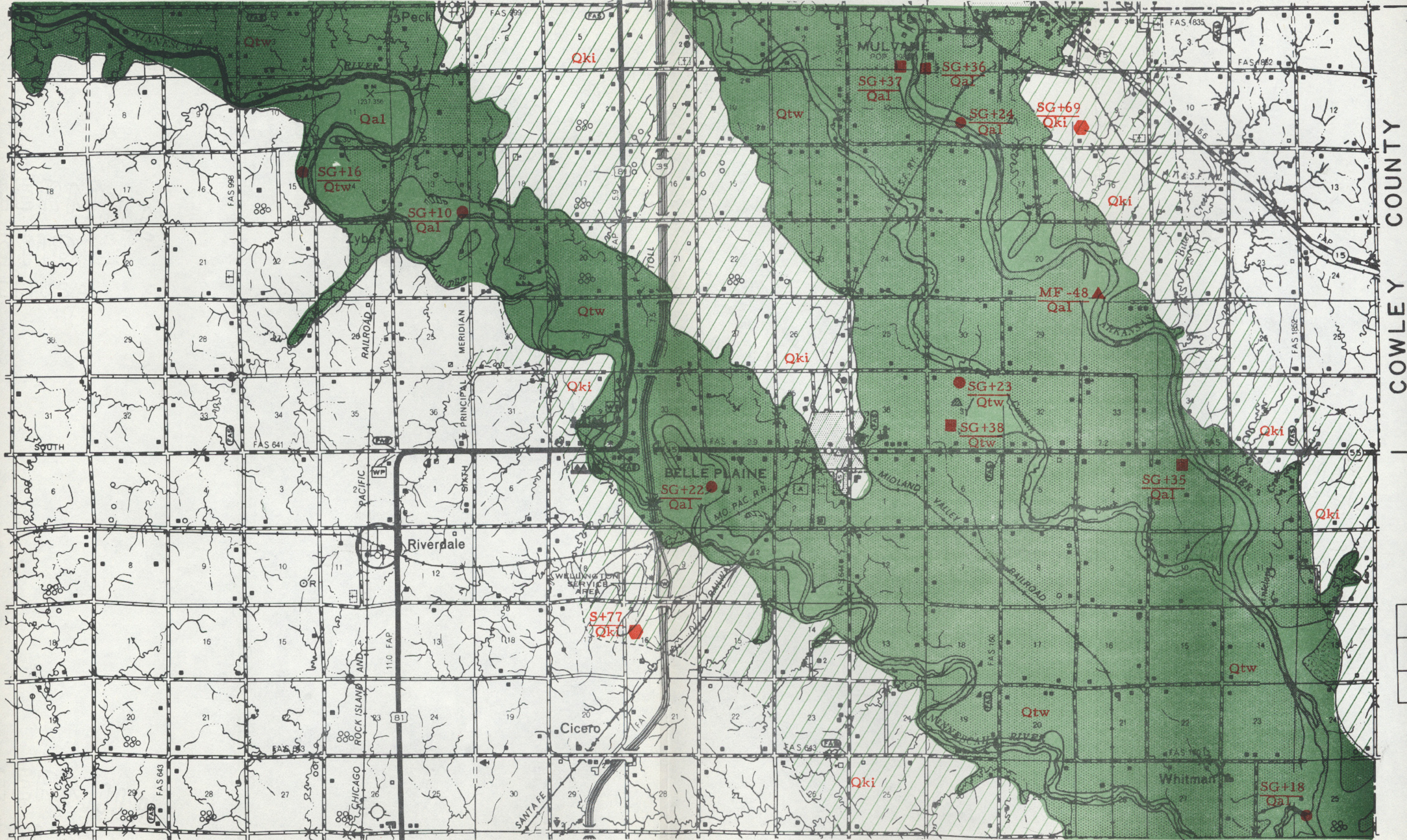
R 1 E

R 2 E

R 2 E

# SEDGWICK

# COUNTY



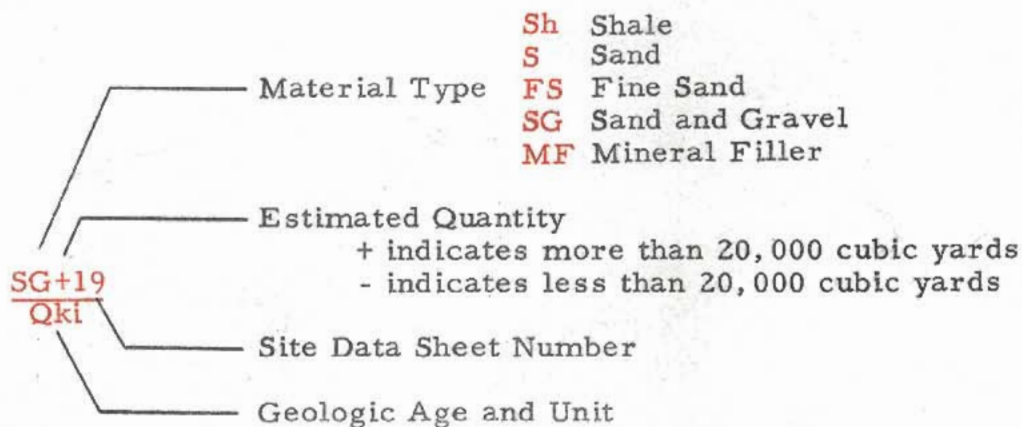
COWLEY COUNTY

# SUMNER COUNTY MATERIALS MAP

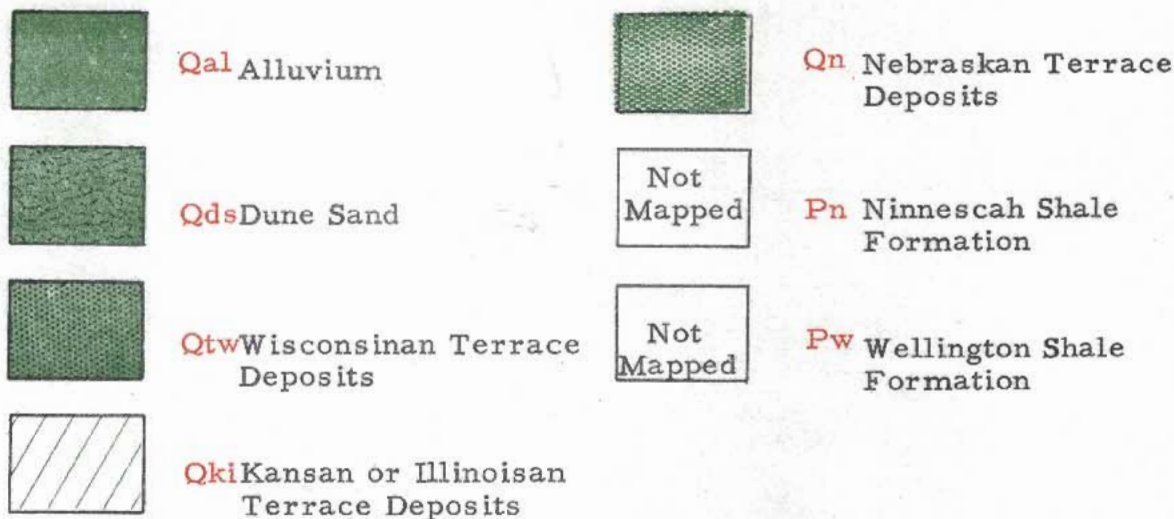
## LEGEND

### EXPLANATION OF MATERIALS SITE DESIGNATIONS

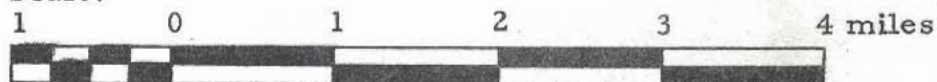
- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▲ Prospective site; sampled (See Appendix III)
- Prospective site; not sampled (See Appendix IV)



### EXPLANATION OF MAP SYMBOLS



Scale:



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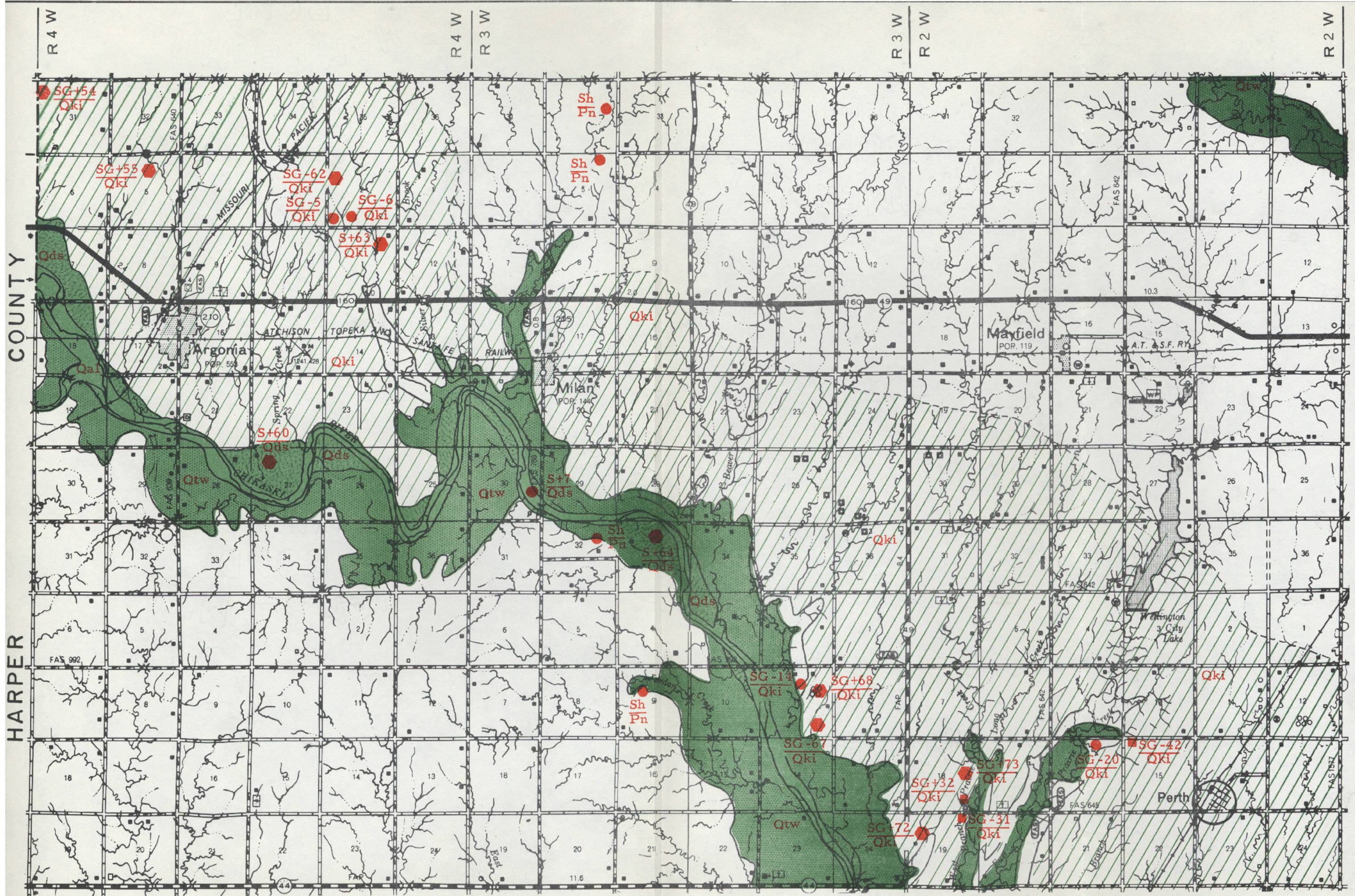


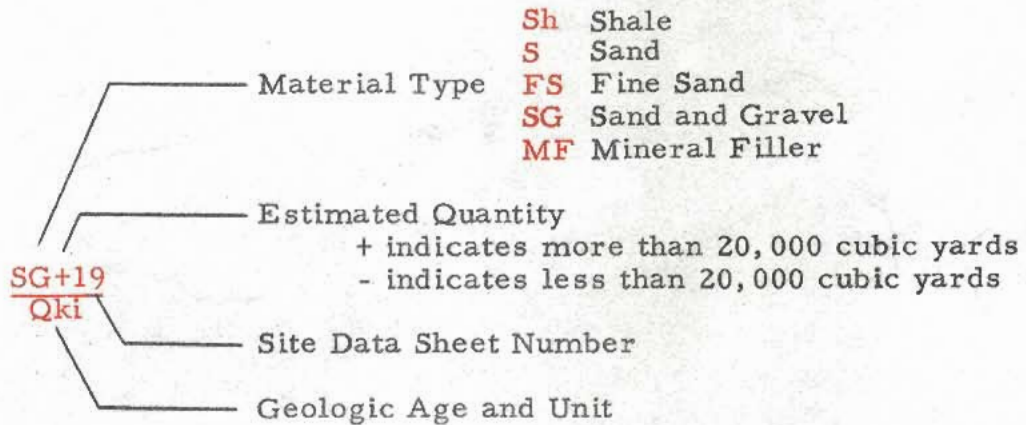
PLATE III

# SUMNER COUNTY MATERIALS MAP

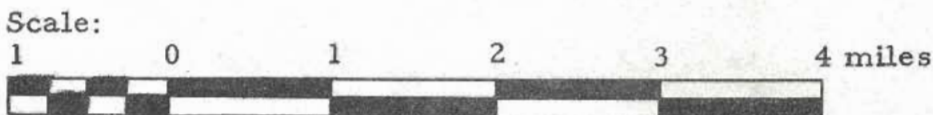
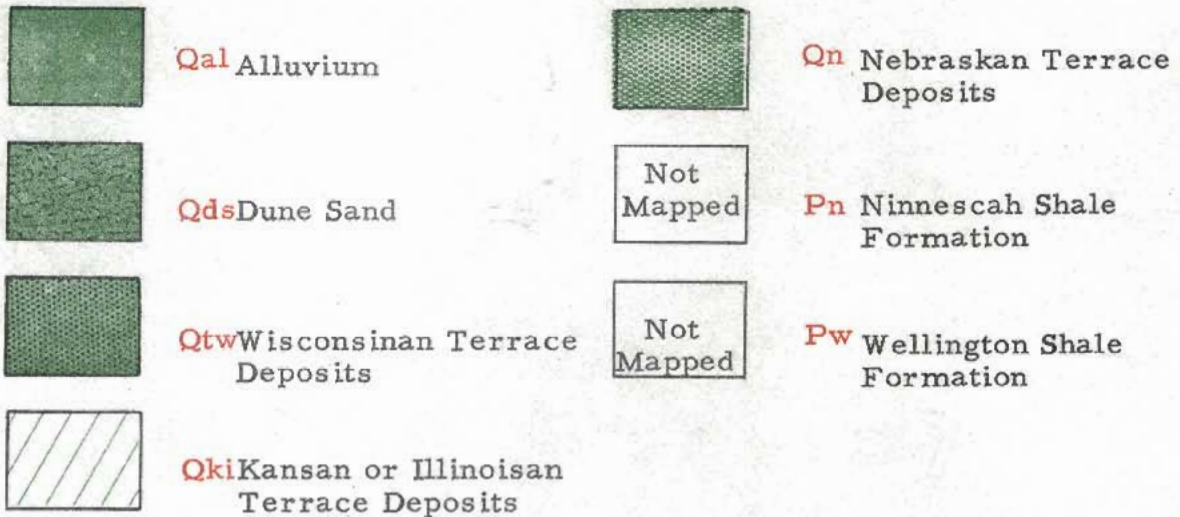
## LEGEND

### EXPLANATION OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▲ Prospective site; sampled (See Appendix III)
- ◆ Prospective site; not sampled (See Appendix IV)



### EXPLANATION OF MAP SYMBOLS



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R 1 W

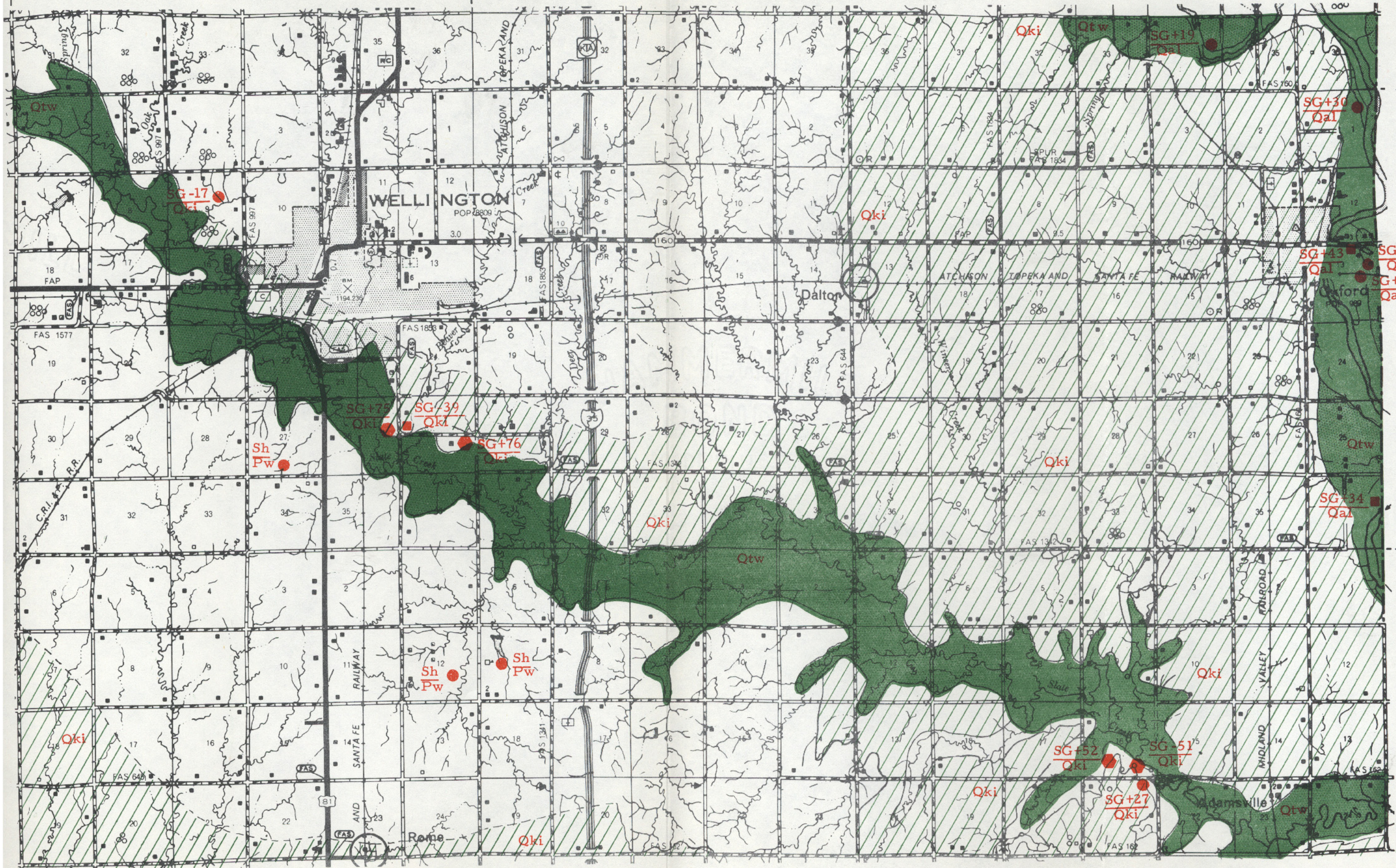
R 1 W

R 1 E

R 1 E

R 2 E

R 2 E



COWLEY COUNTY

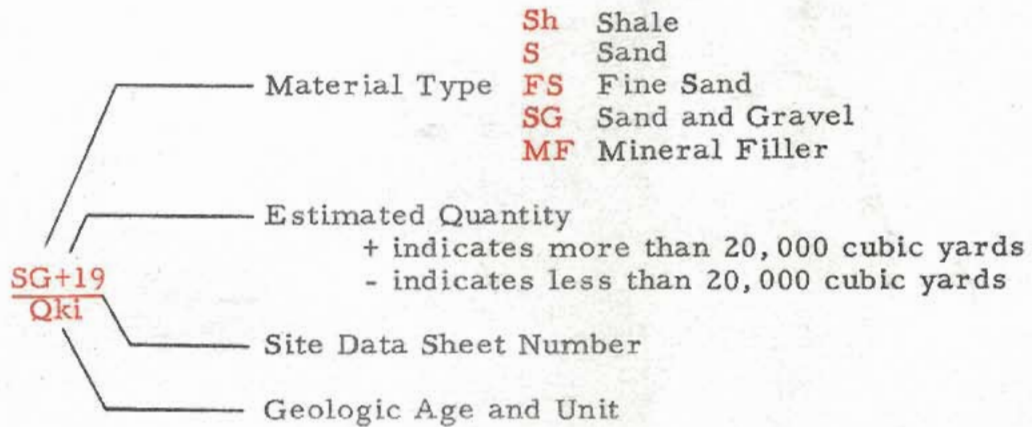
COWLEY COUNTY

# SUMNER COUNTY MATERIALS MAP

## LEGEND

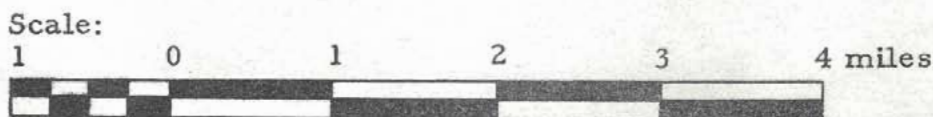
### EXPLANATION OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▲ Prospective site; sampled (See Appendix III)
- ◆ Prospective site; not sampled (See Appendix IV)



### EXPLANATION OF MAP SYMBOLS

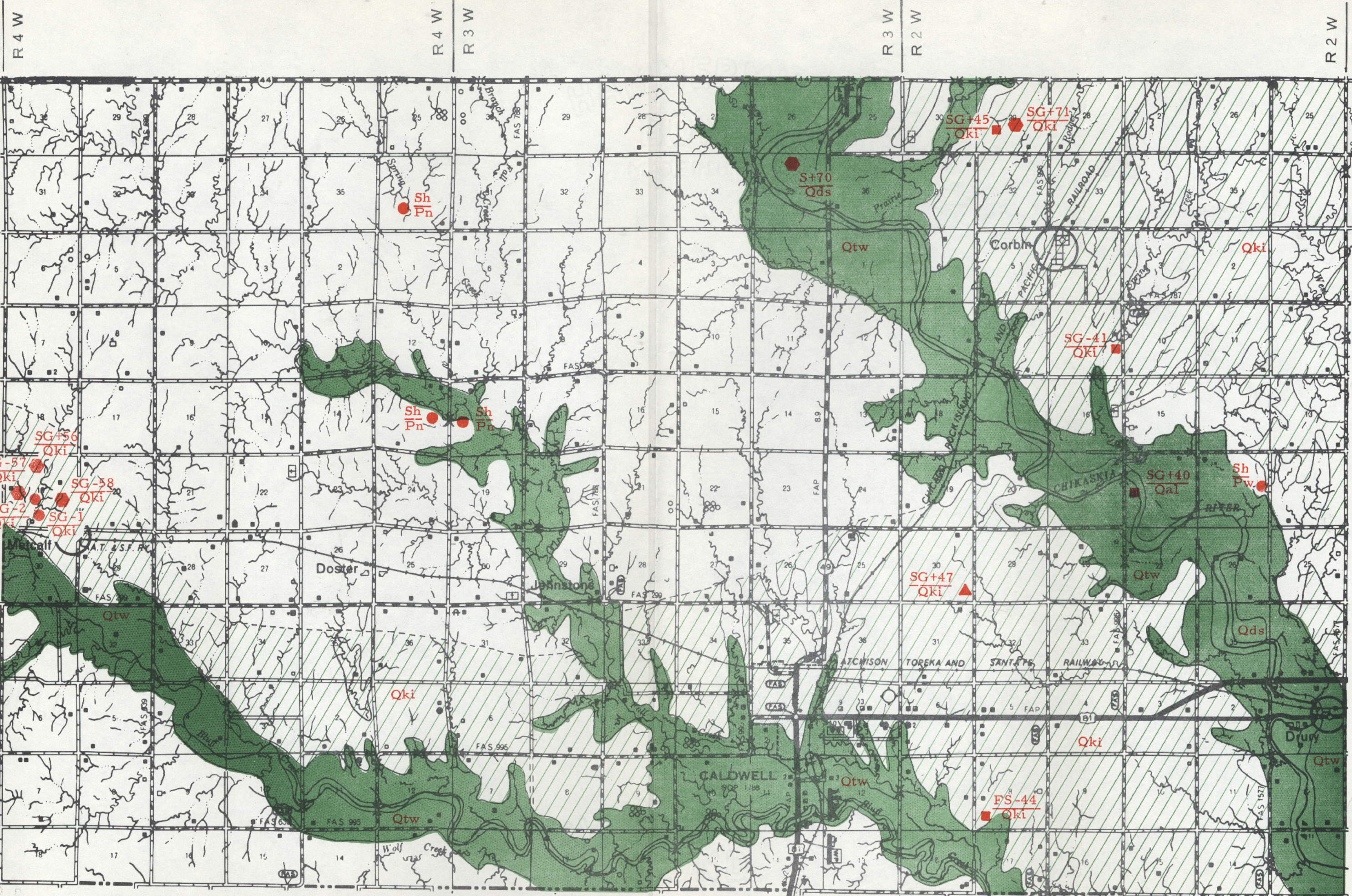
	<b>Qal</b> Alluvium		<b>Qn</b> Nebraskan Terrace Deposits
	<b>Qds</b> Dune Sand		<b>Pn</b> Ninnescah Shale Formation
	<b>Qtw</b> Wisconsinan Terrace Deposits		<b>Pw</b> Wellington Shale Formation
	<b>Qki</b> Kansan or Illinoisan Terrace Deposits		



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 BUREAU OF PUBLIC ROADS

COUNTY

HARPER



R 4 W

R 4 W

R 3 W

R 3 W

R 2 W

R 2 W

T 3

T 3

T 3

T 3

GRANT COUNTY OKLAHOMA

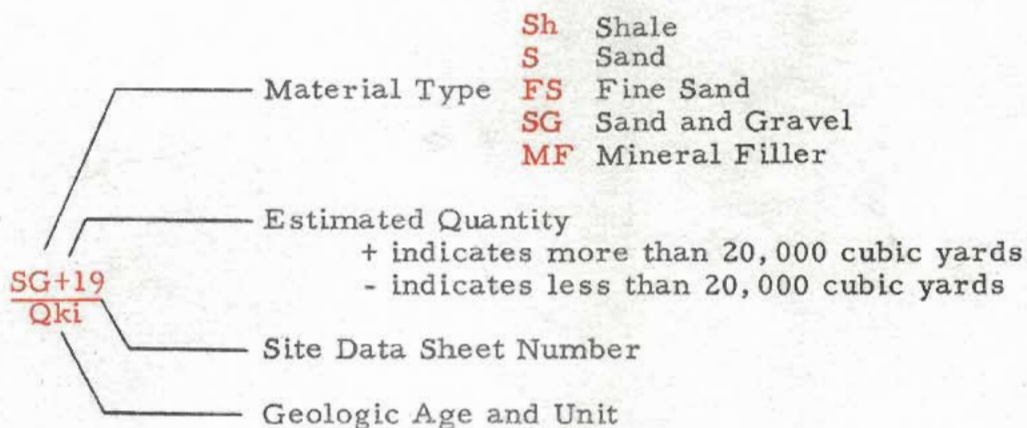
PLATE V

# SUMNER COUNTY MATERIALS MAP

## LEGEND

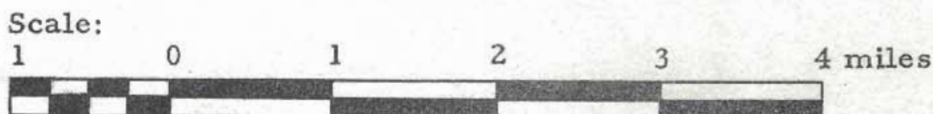
### EXPLANATION OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▲ Prospective site; sampled (See Appendix III)
- Prospective site; not sampled (See Appendix IV)



### EXPLANATION OF MAP SYMBOLS

	<b>Qal</b> Alluvium		<b>Qn</b> Nebraskan Terrace Deposits
	<b>Qds</b> Dune Sand		<b>Pn</b> Ninnescah Shale Formation
	<b>Qtw</b> Wisconsinan Terrace Deposits		<b>Pw</b> Wellington Shale Formation
	<b>Qki</b> Kansan or Illinoisan Terrace Deposits		



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 BUREAU OF PUBLIC ROADS

R1W

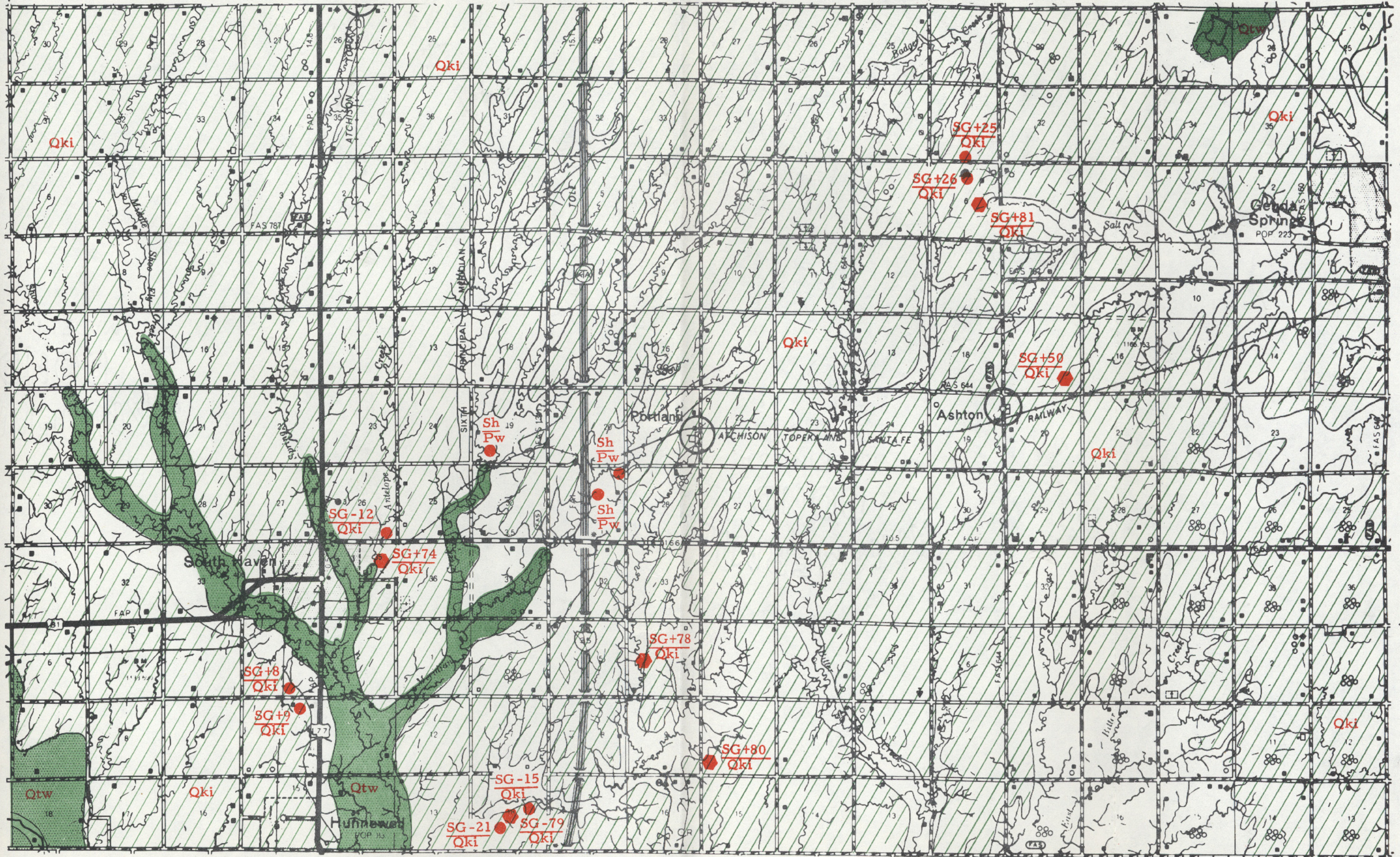
R1W

R1E

R1E

R2E

R2E



T 33

T 34

T 34

T 35

COWLEY COUNTY