

APPENDIX A

Folio of County Maps Showing Location of
Statewide Geothermal Well Control in Texas

in

GEOHERMAL RESOURCE ASSESSMENT
FOR THE STATE OF TEXAS--
Status of Progress,
November 1980

Prepared for
U.S. Department of Energy, Division of Geothermal Energy
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March 1982

Bureau of Economic Geology
W. L. Fisher, Director
The University of Texas at Austin

INTRODUCTION

This appendix depicts locations of wells that constitute our geothermal data base. The locations are shown alphabetically by county on a series of computer-derived plots. This folio contains data for 138 counties (table A-1, and fig. A-1), and 2,440 wells constitute the total number of points plotted (fig. A-2). Each data point is identified by its numeric county code (specific to this project) that keys the map-location to the topical data in Appendix B.

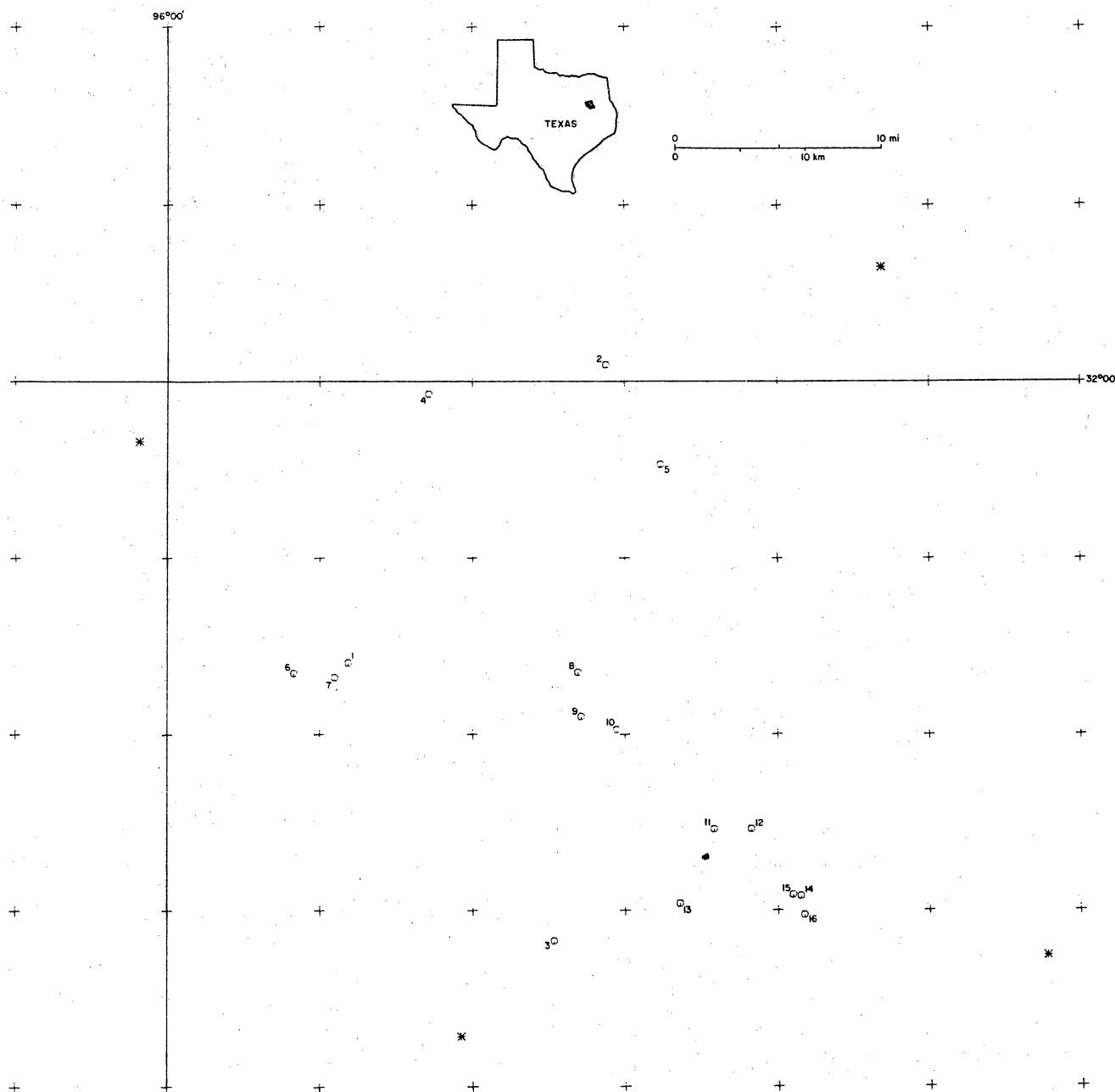
The original locational data were digitized from maps at various scales and projections; hence, because of consistency problems among the various map bases, county boundaries were not digitized and thus are not presented here. Instead, all 7.5-minute latitude/longitude intersections are plotted, and for reference we label one set of major latitude/longitude coordinates for each county. Asterisks are plotted at selected points on the county boundary to give the user of these cryptic plots some indication of county shape. Each map is also accompanied by a county index map to provide graphic information on location within the state and areal extent of each plot. For especially large counties we sometimes show only that part of a county for which we have data. In this instance, however, the county index map alerts the user to such deviations.

Table A-1. List of Texas counties for which geothermal well data exist.

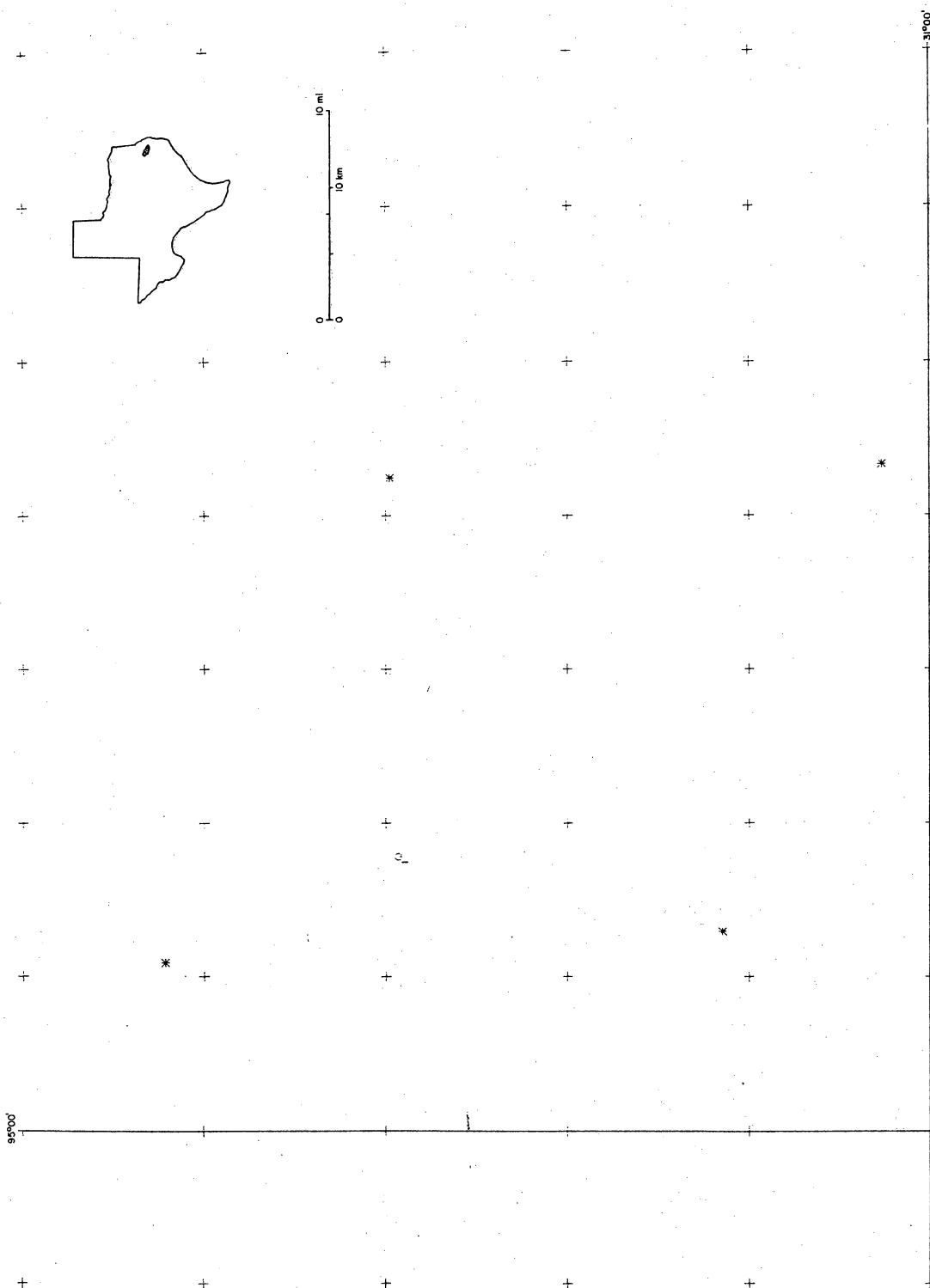
AA* — Anderson	JK — Ellis	RJ — Kerr	WX — San Saba
AD — Angelina	JL — El Paso	RK — Kimble	XH — Smith
AJ — Archer	JR — Falls	RP — Kinney	XK — Starr
AL — Atascosa	JS — Fannin	RR — Kleberg	XL — Stephens
AP — Austin	JZ — Franklin	RT — Lamar	XT — Swisher
AS — Bandera	KA — Freestone	RW — Lampasas	XU — Tarrant
AT — Bastrop	KB — Frio	RX — La Salle	YA — Titus
AW — Bee	KD — Gaines	RZ — Lee	YD — Travis
AX — Bell	KP — Goliad	SA — Leon	YK — Upshur
AY — Bexar	KR — Gonzales	SB — Liberty	YP — Uvalde
AZ — Blanco	KT — Grayson	SD — Limestone	YR — Val Verde
BB — Bosque	KU — Gregg	SJ — Live Oak	YS — Van Zandt
BD — Bowie	KW — Grimes	SK — Llano	YU — Walker
BJ — Brazos	KX — Guadalupe	SL — Loving	YW — Waller
BK — Brewster	LA — Hamilton	SS — McCulloch	YX — Ward
BR — Brown	LH — Hardin	ST — McLennan	YY — Washington
BS — Burleson	LJ — Harris	SU — McMullen	YZ — Webb
BT — Burnet	LR — Hays	SW — Madison	ZJ — Willacy
BU — Caldwell	LT — Henderson	SX — Marion	ZK — Williamson
BZ — Camp	LU — Hidalgo	TB — Maverick	ZL — Wilson
DB — Cass	LW — Hill	TD — Medina	ZP — Winkler
DL — Clay	LY — Hood	TK — Milam	ZS — Wood
DT — Collin	LZ — Hopkins	TL — Mills	ZU — Young
DX — Comal	PA — Houston	TR — Montague	ZX — Zavala
DZ — Concho	PB — Howard	TU — Morris	
HA — Cooke	PD — Hudspeth	TY — Navarro	
HB — Coryell	PH — Hunt	US — Pecos	
HH — Crane	PJ — Hutchinson	UW — Presidio	
HL — Culberson	PK — Irion	UX — Rains	
HR — Dallas	PP — Jackson	UZ — Reagan	
HU — Delta	PR — Jasper	WA — Real	
HW — Denton	PU — Jim Hogg	WB — Red River	
HX — De Witt	PW — Jim Wells	WD — Reeves	
HZ — Dimmit	PX — Johnson	WH — Refugio	
JB — Duval	PZ — Karnes	WK — Robertson	
JD — Eastland	RA — Kaufman	WL — Rockwall	
JH — Ector	RB — Kendall	WR — Rusk	
JJ — Edwards	RD — Kenedy	WU — San Jacinto	

*The letters before each county name constitute the respective TDWR county code (see Addendum C-1 of Appendix C).

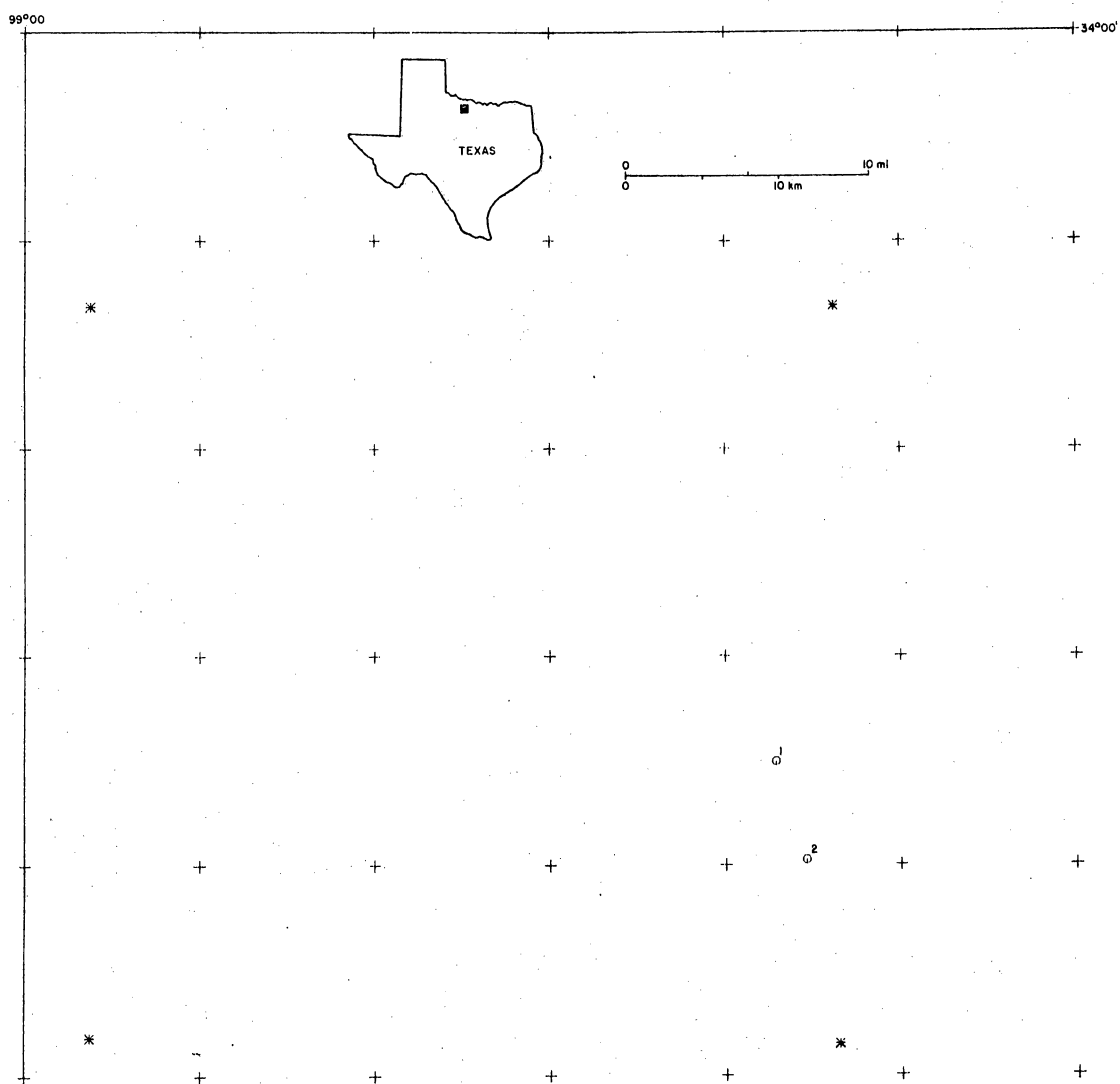
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ANGELINA



ARCHER



ATHSCOSA

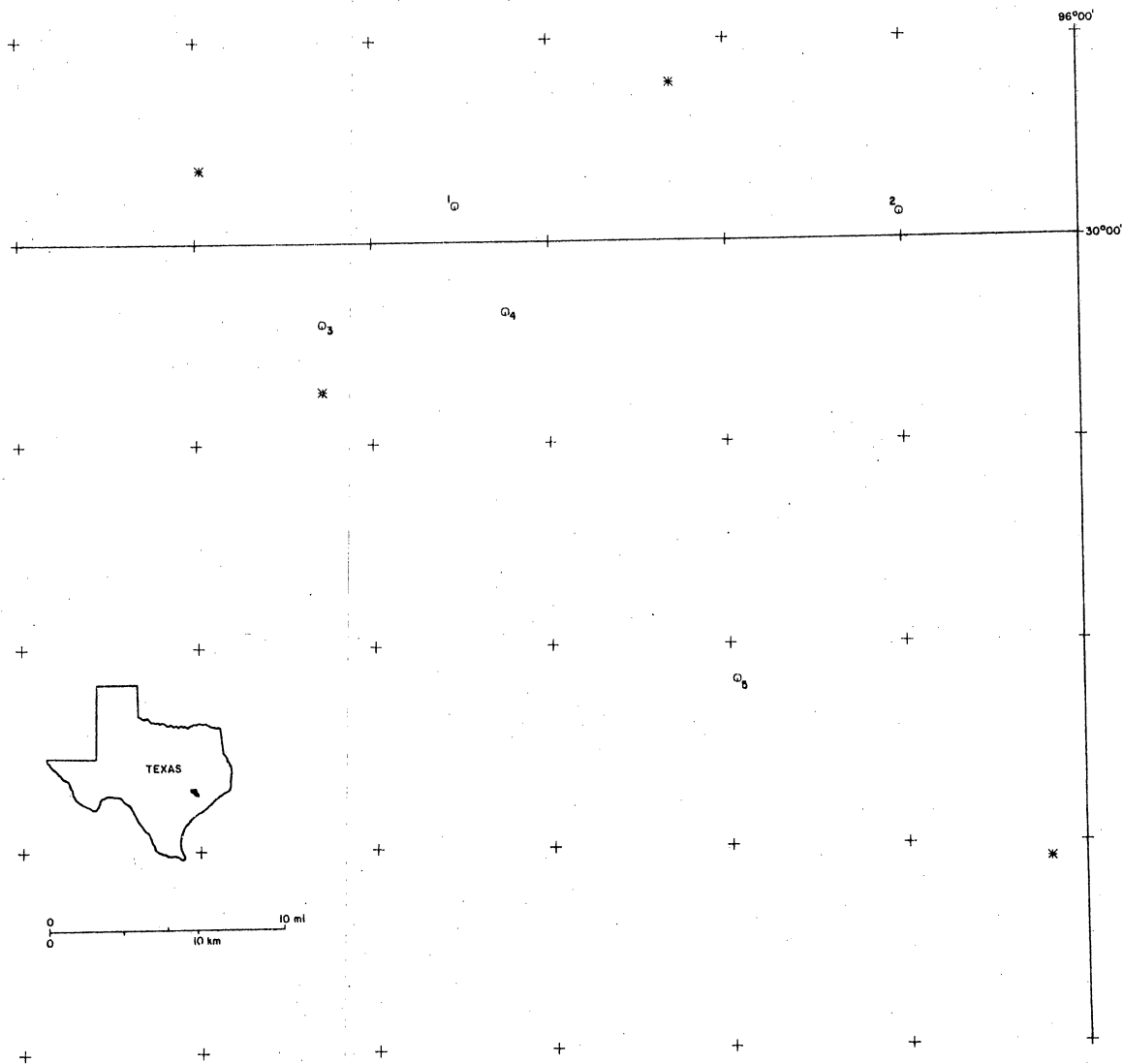


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0 10km

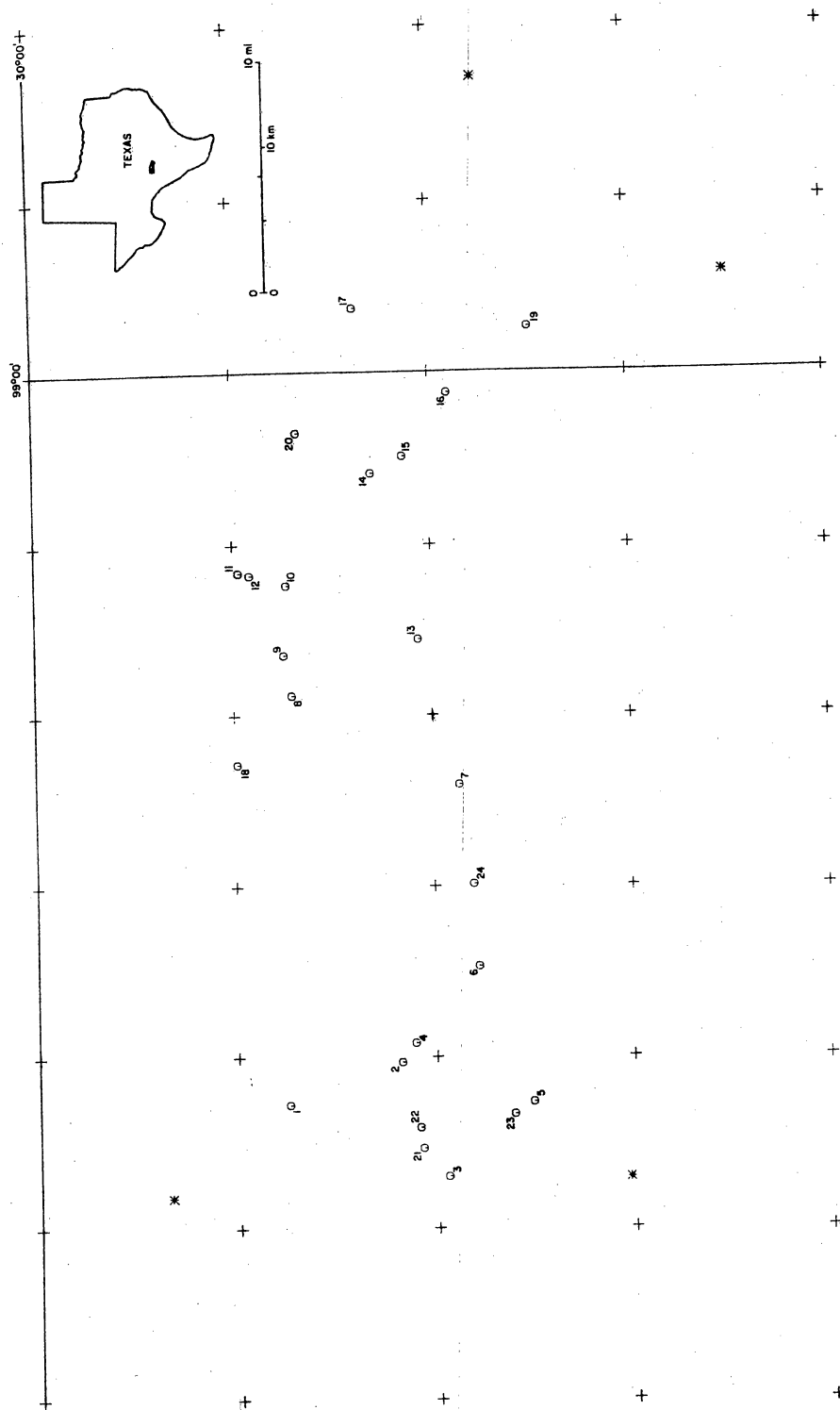
96°00'

29°00'

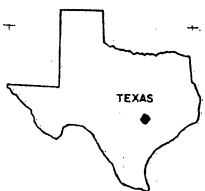
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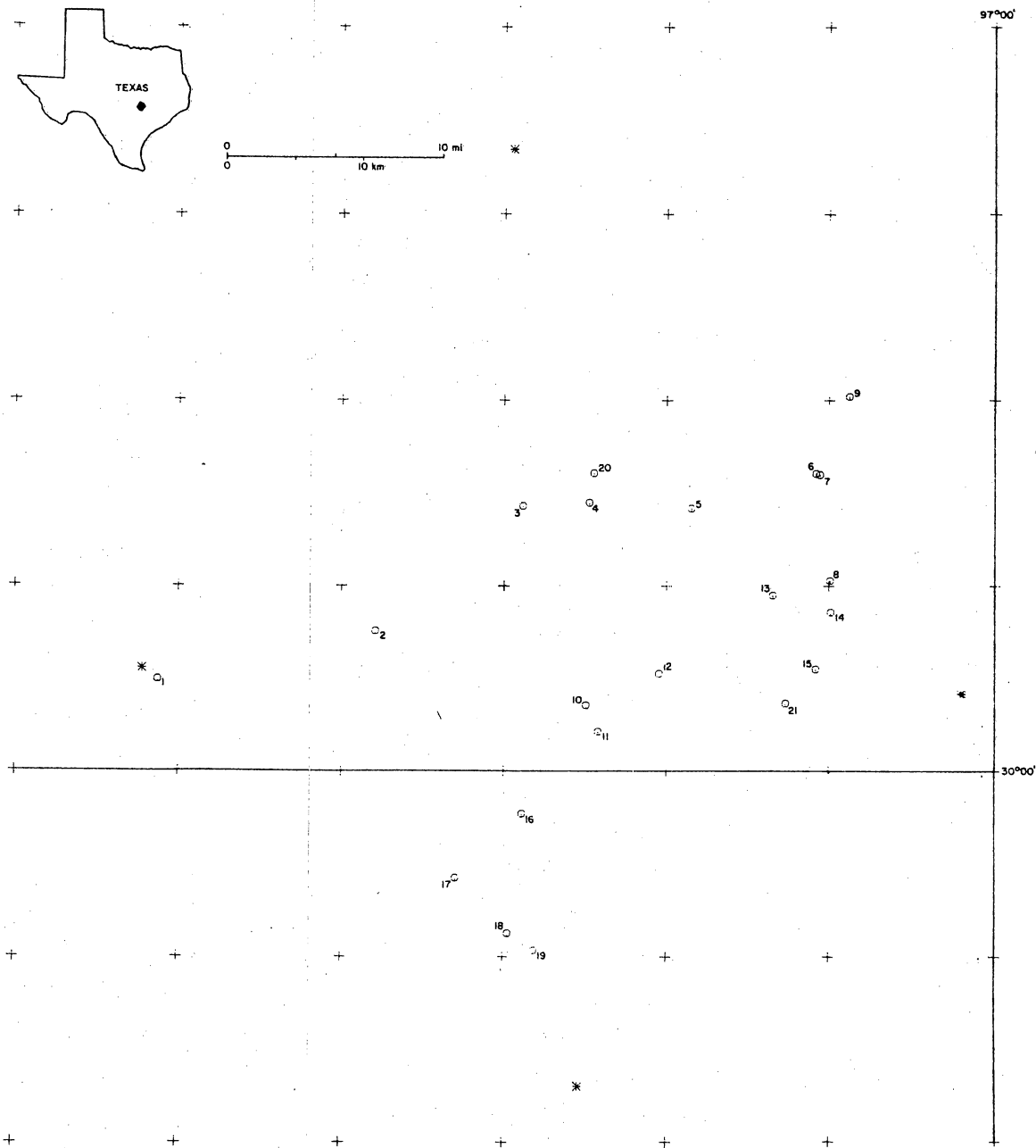
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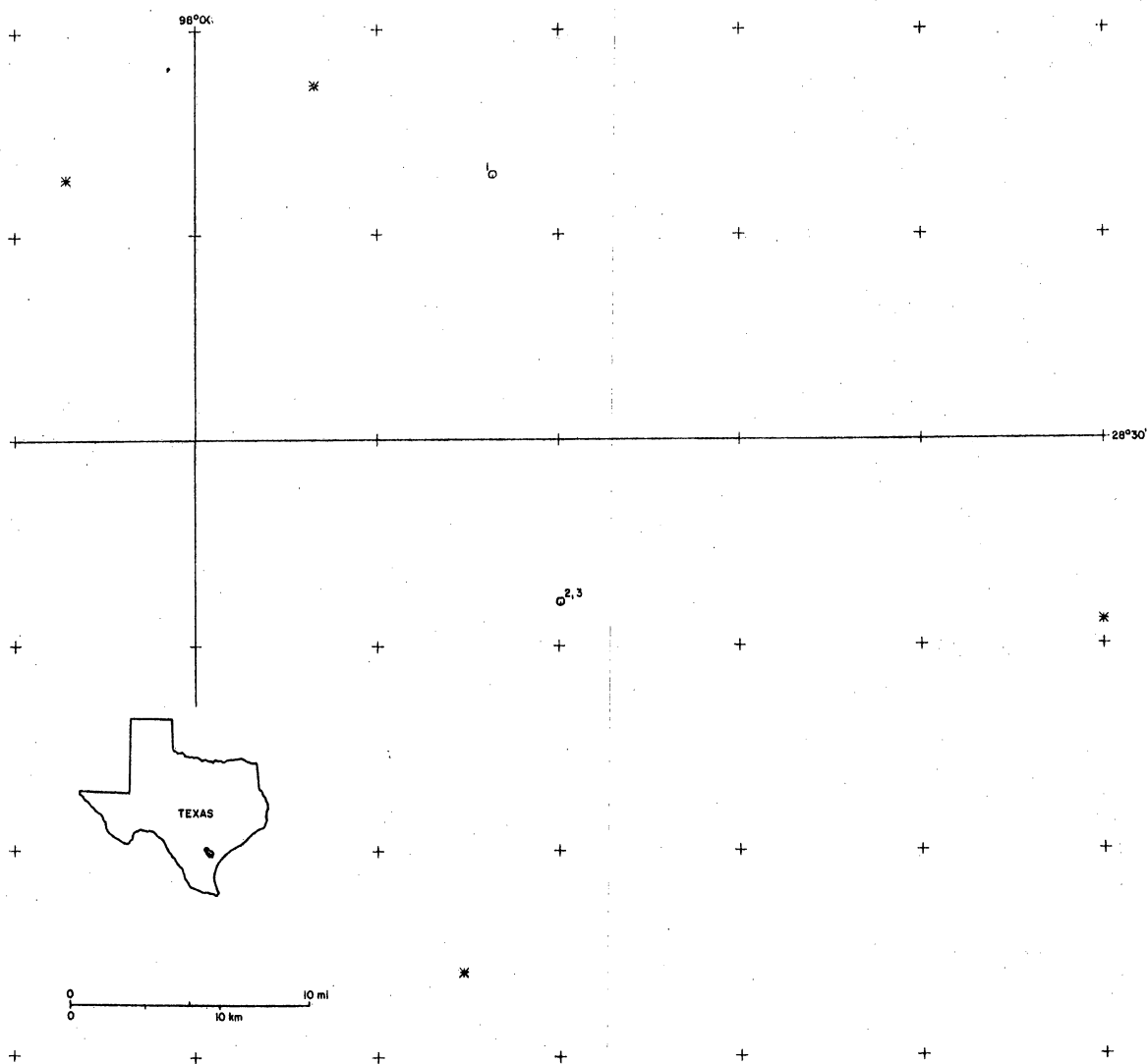
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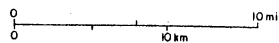
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0 10 km



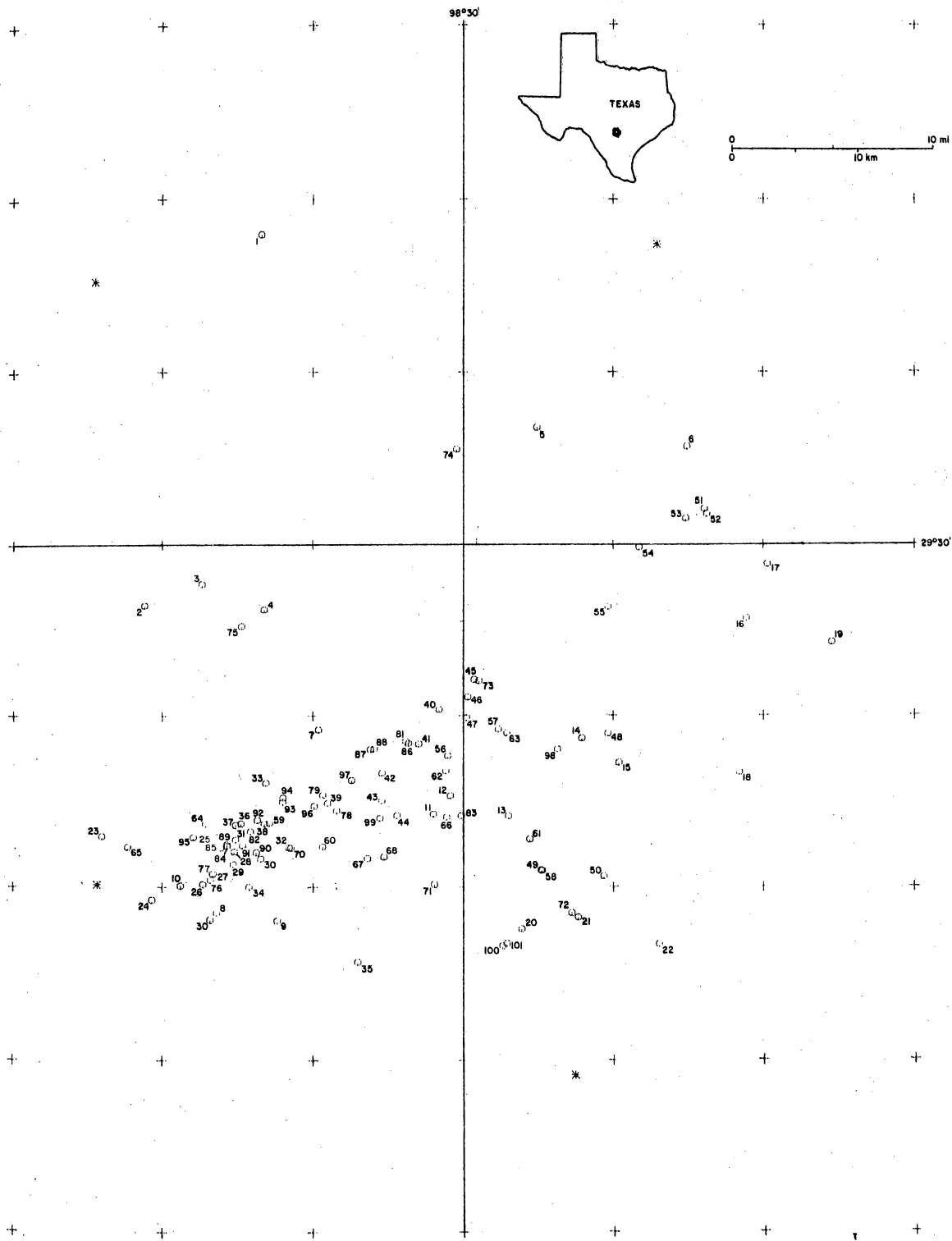
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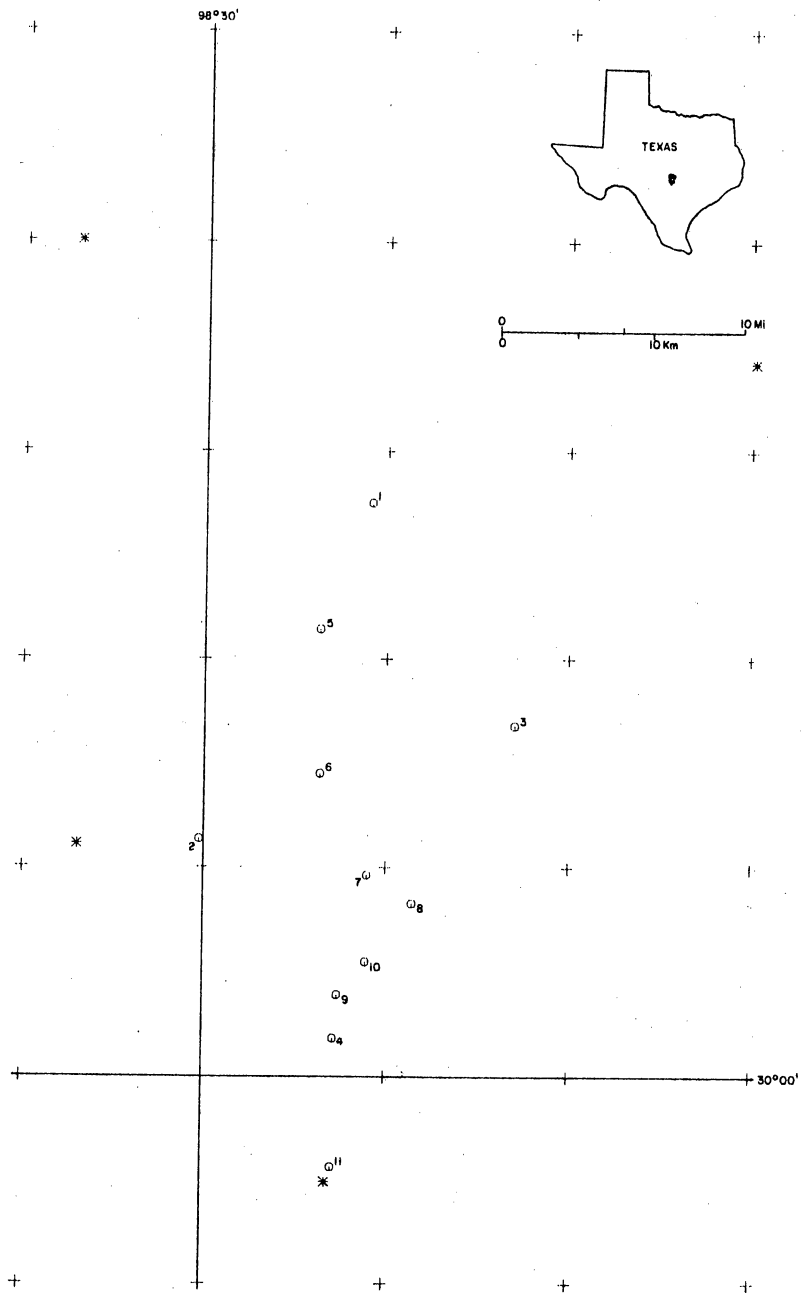
98°00'



BEXAR



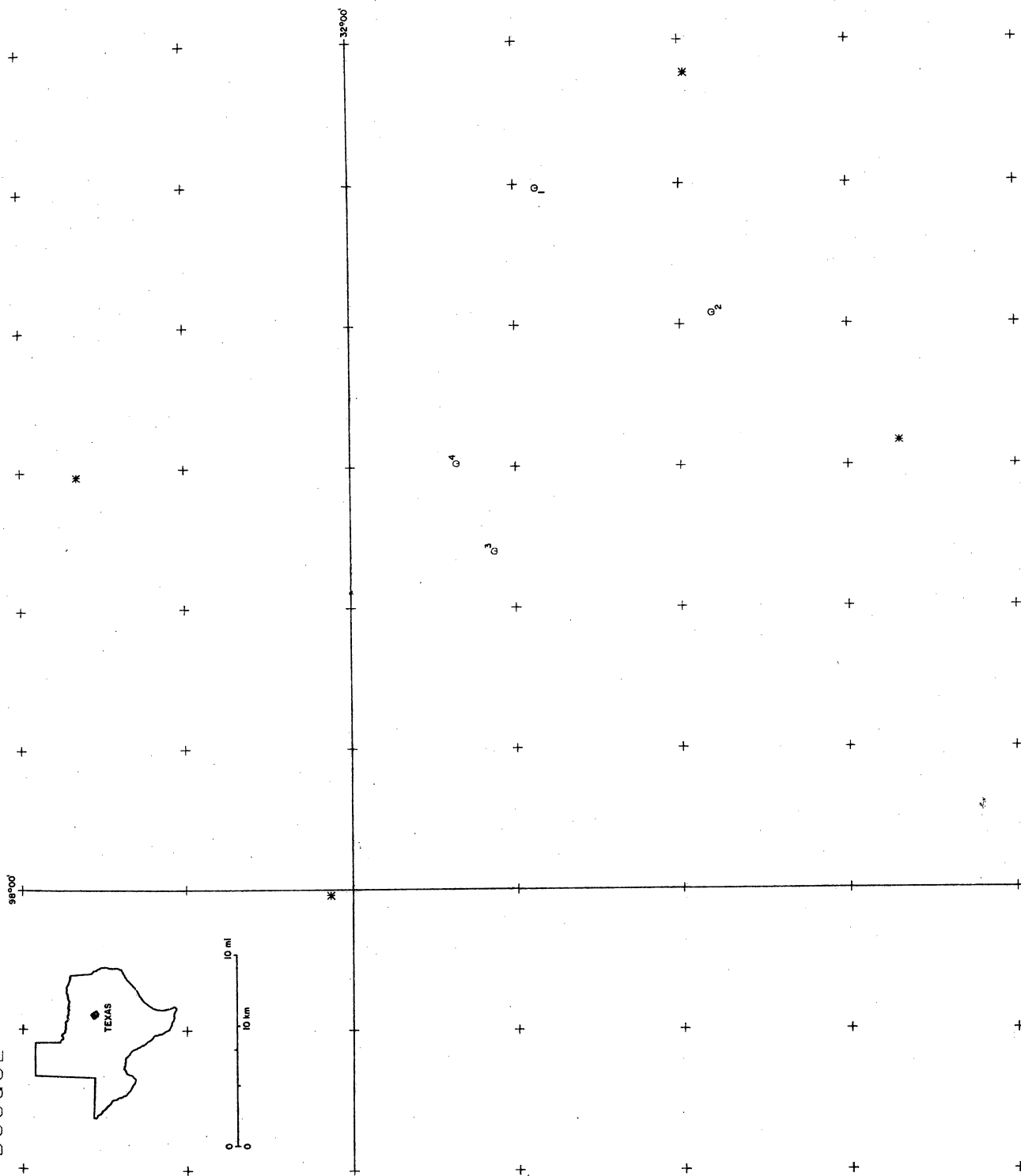
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BOSQUE

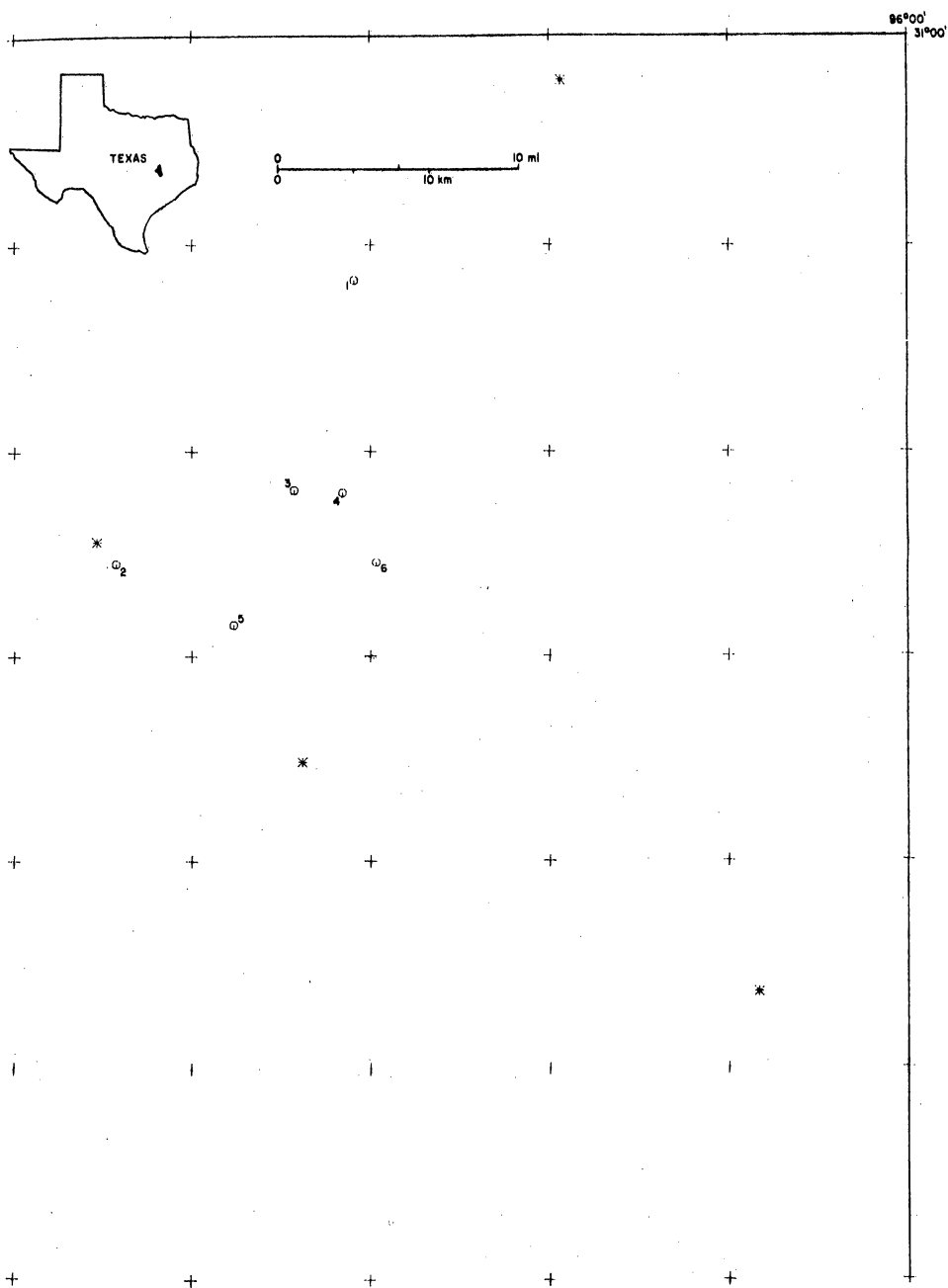


0 10 km
0 10 mi

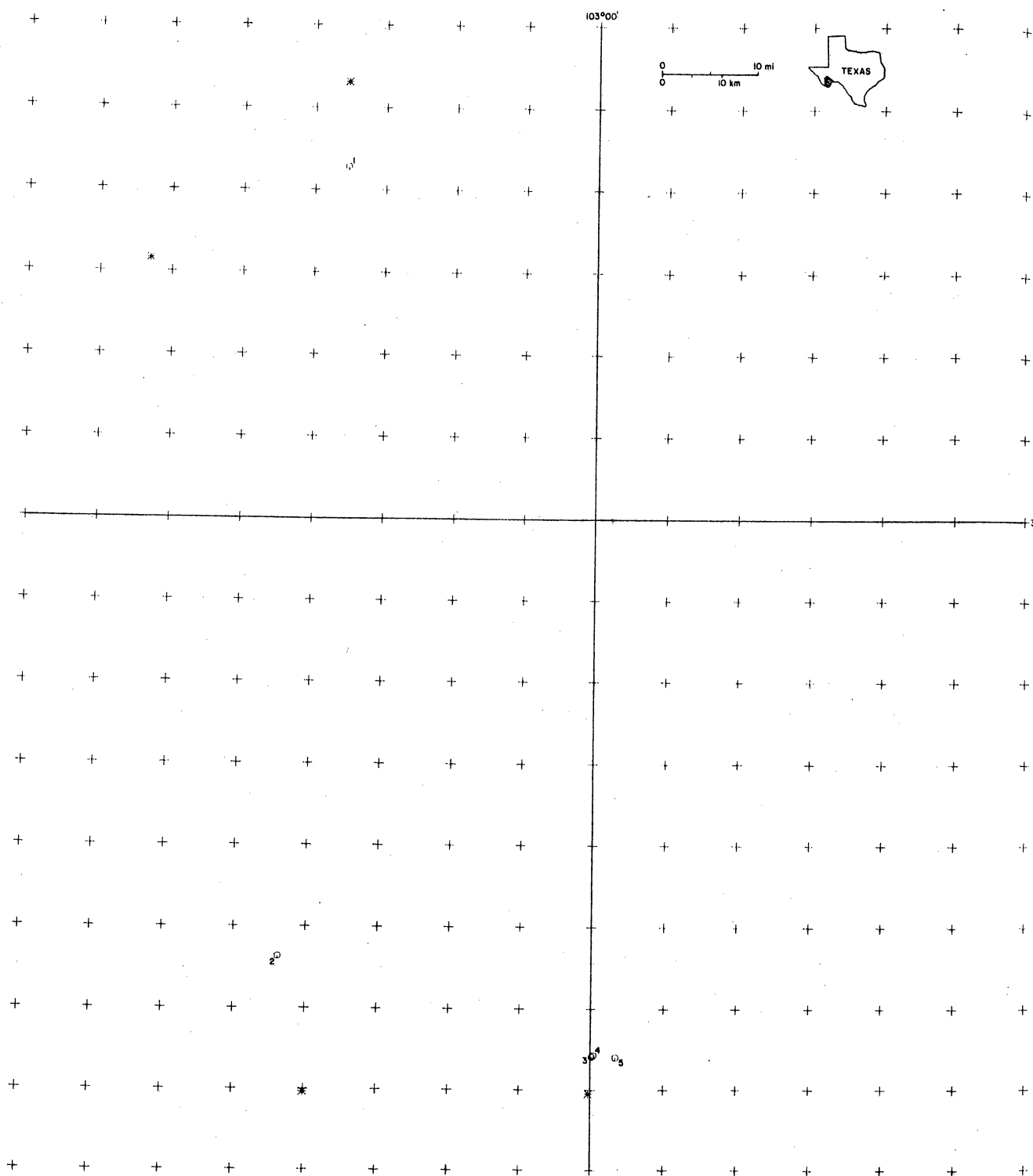


The map displays a grid of 18 numbered locations (1-18) across a study area. The locations are marked with symbols: open circles for 1, 2, 3, 4, 6, 7, 13, 14, 15, 16, 17, and 18; and asterisks for 5, 8, 9, 10, 11, 12, and 19. A scale bar indicates distances in miles (0 to 10) and kilometers (0 to 10). An inset map shows the location of the study area within the state of Texas.

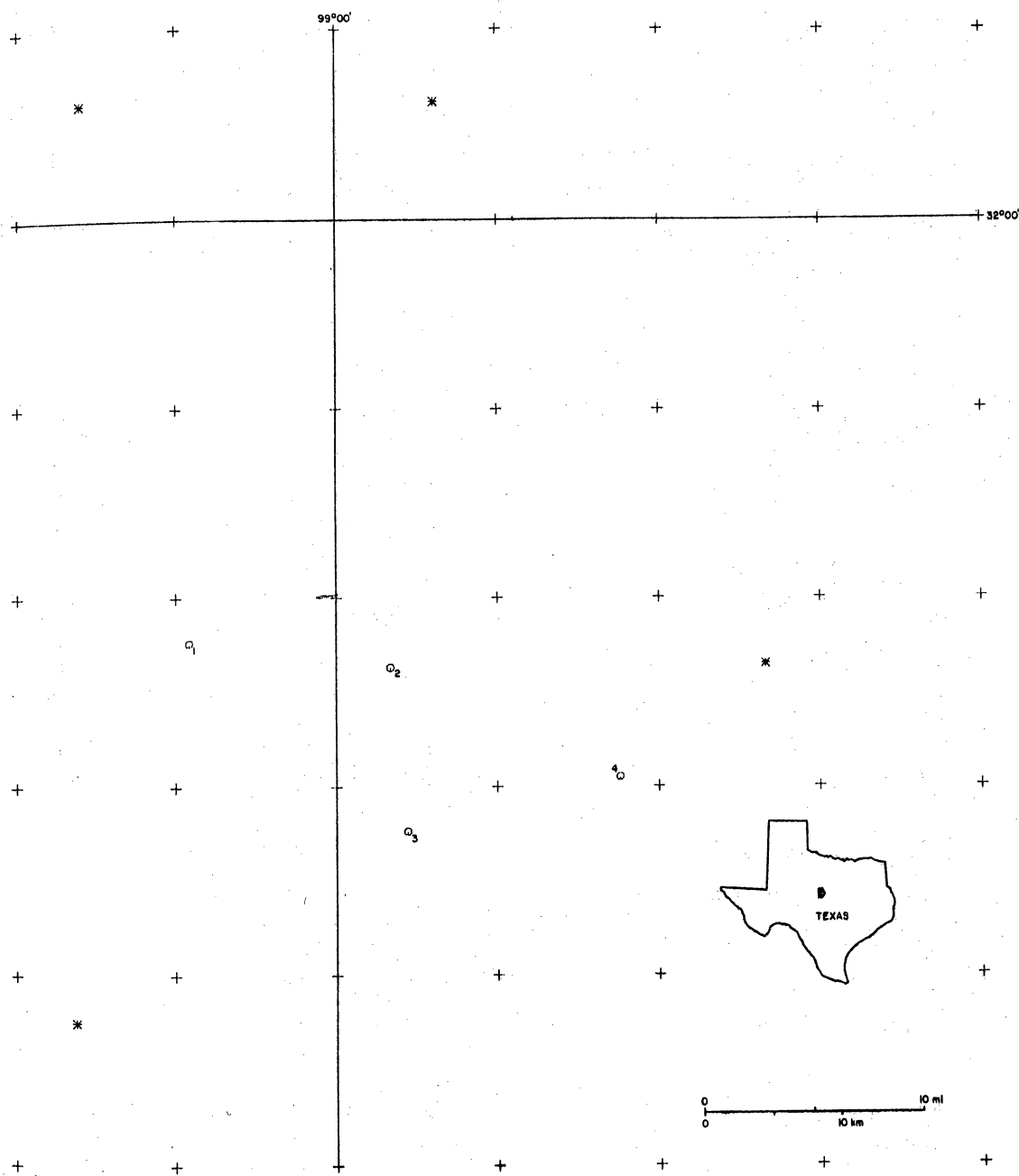
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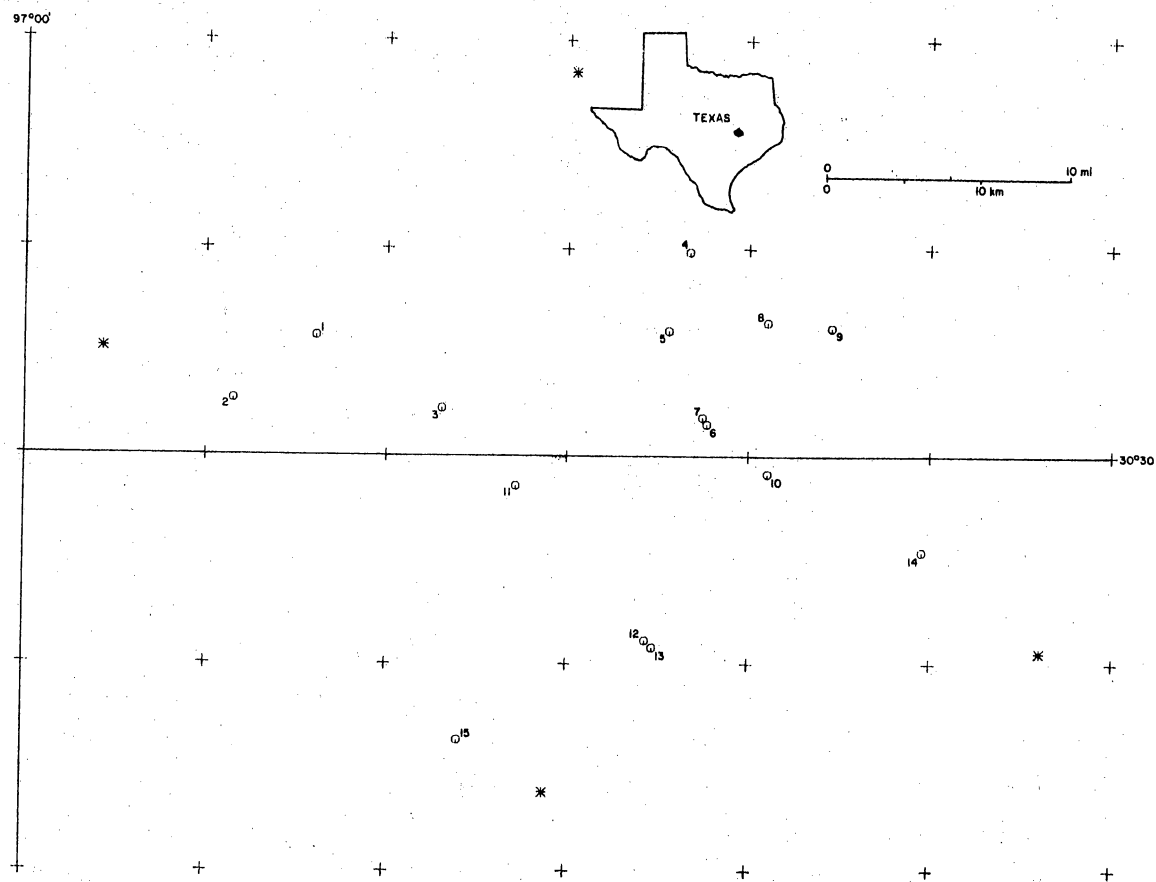
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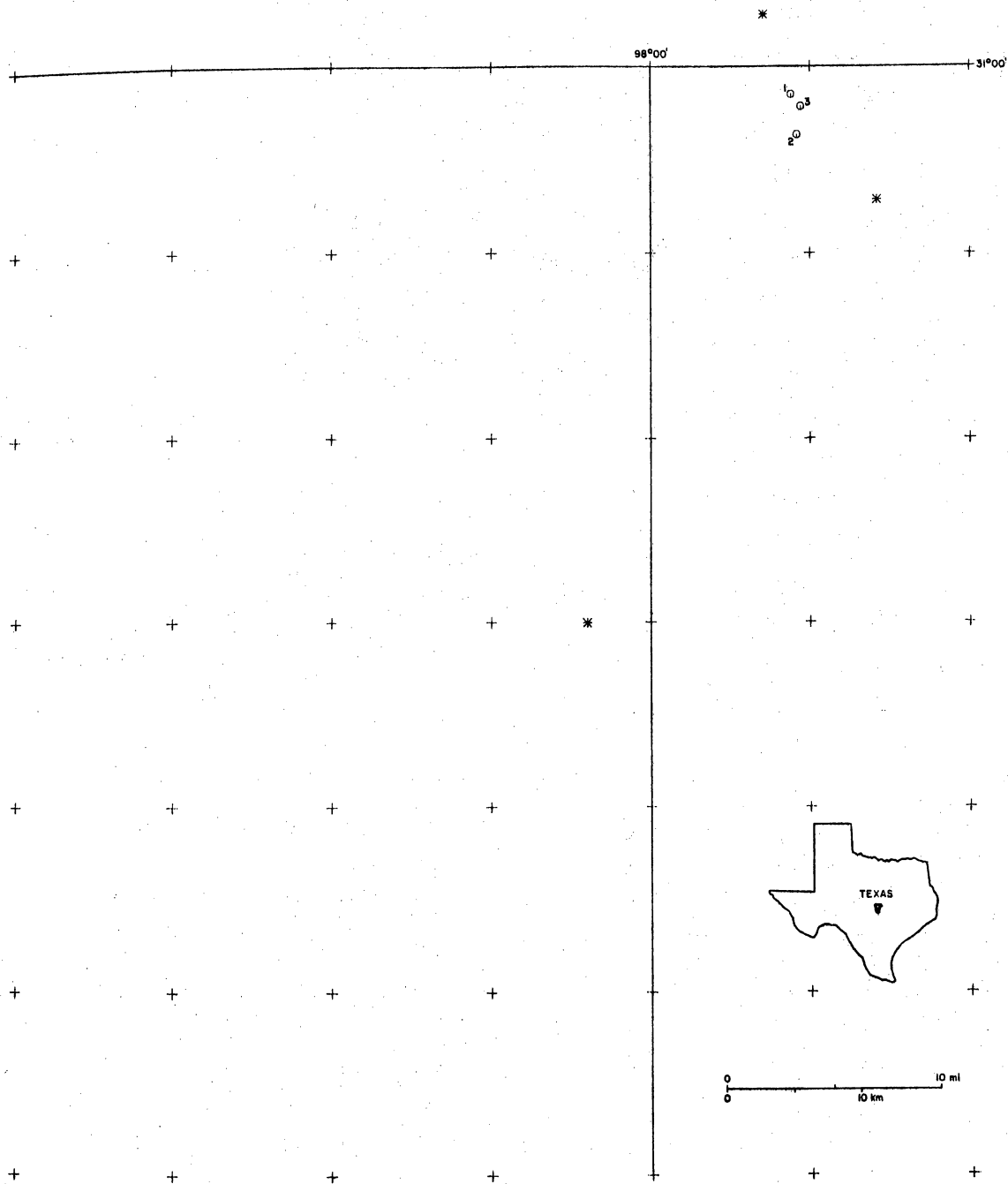
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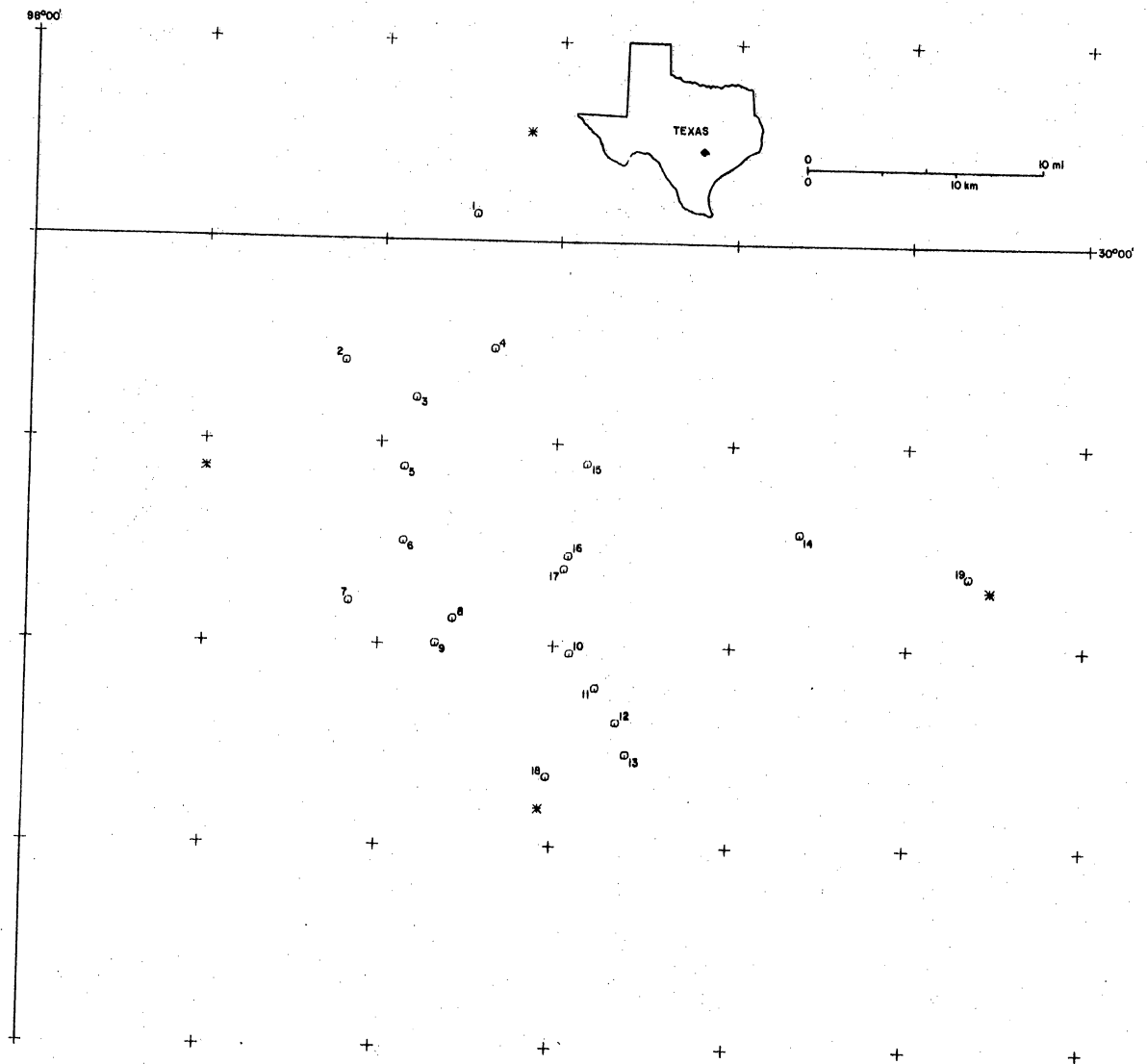
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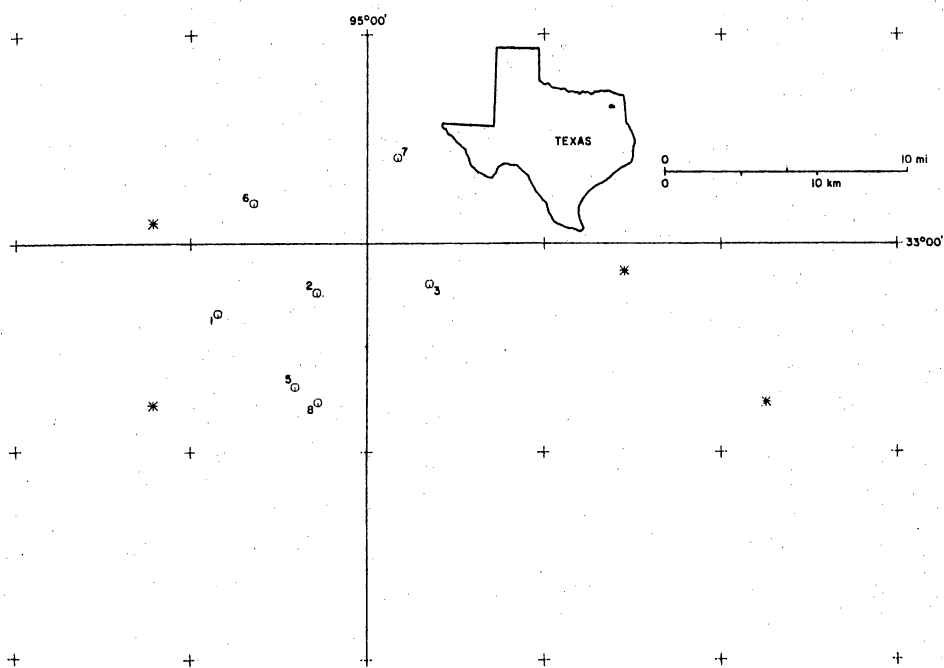
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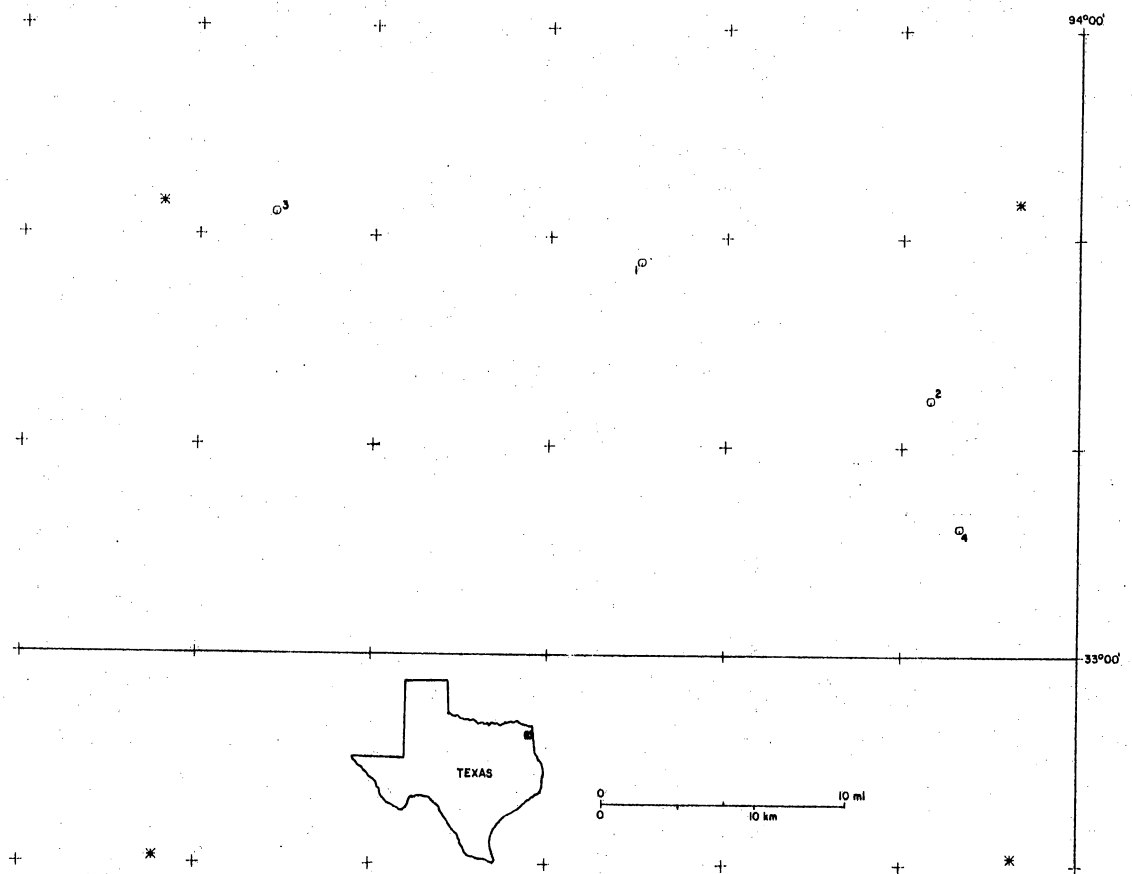
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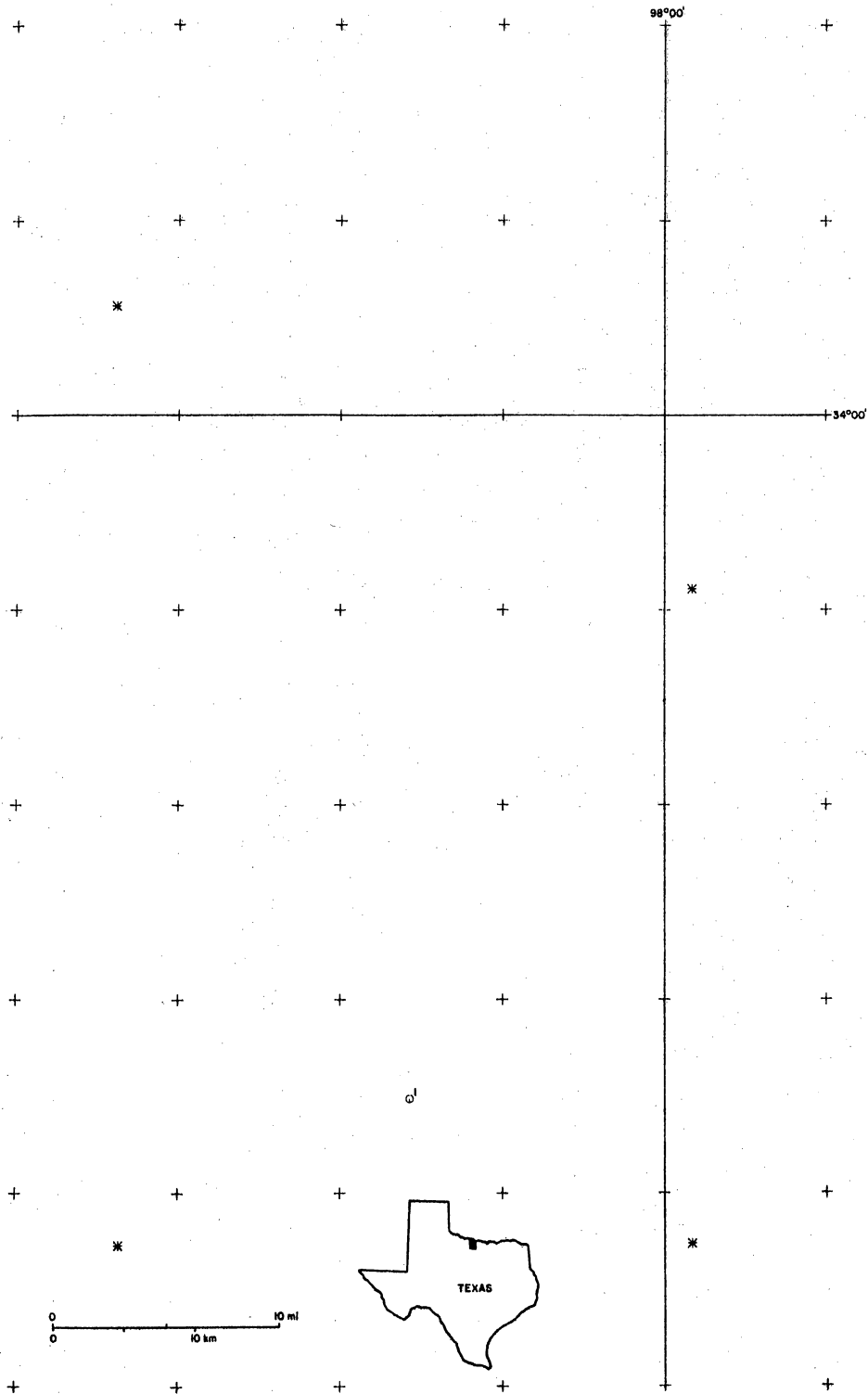
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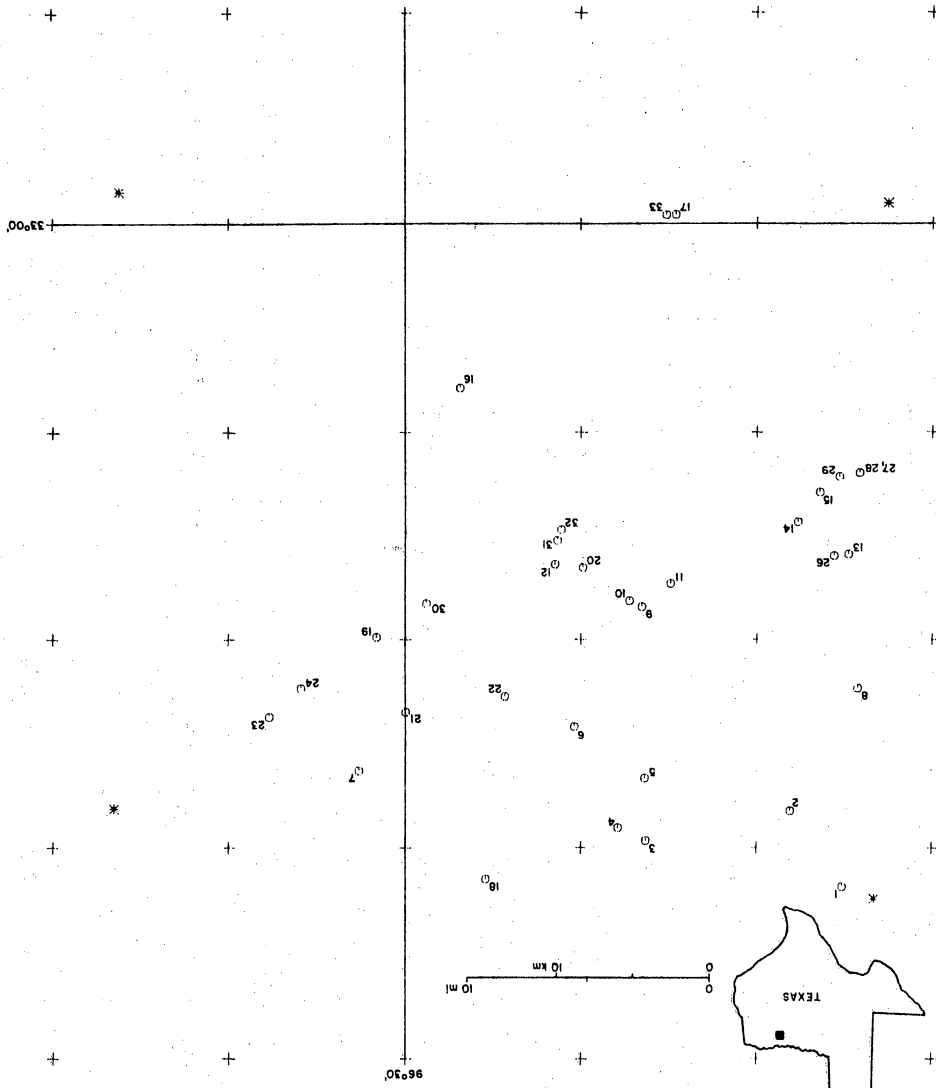


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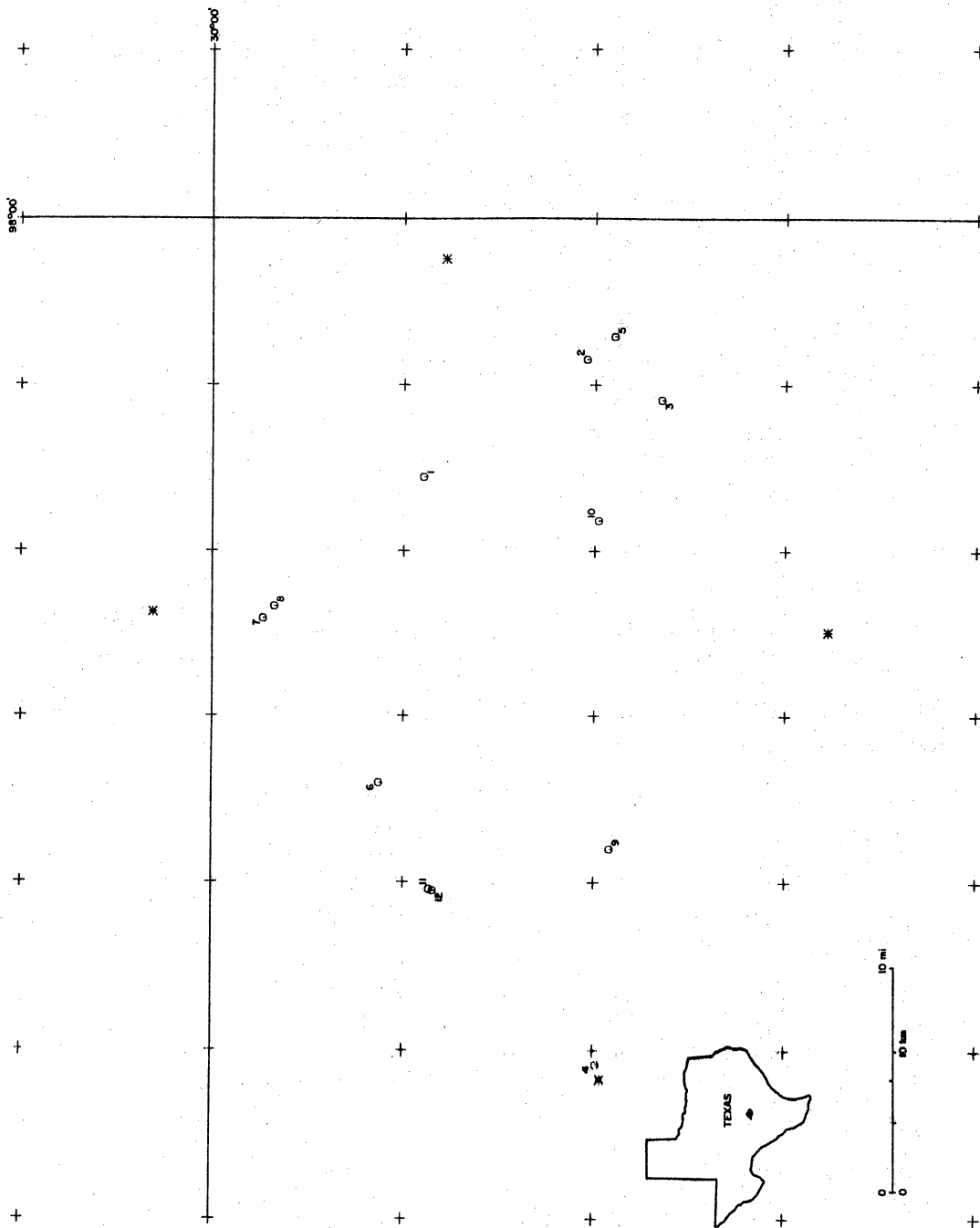
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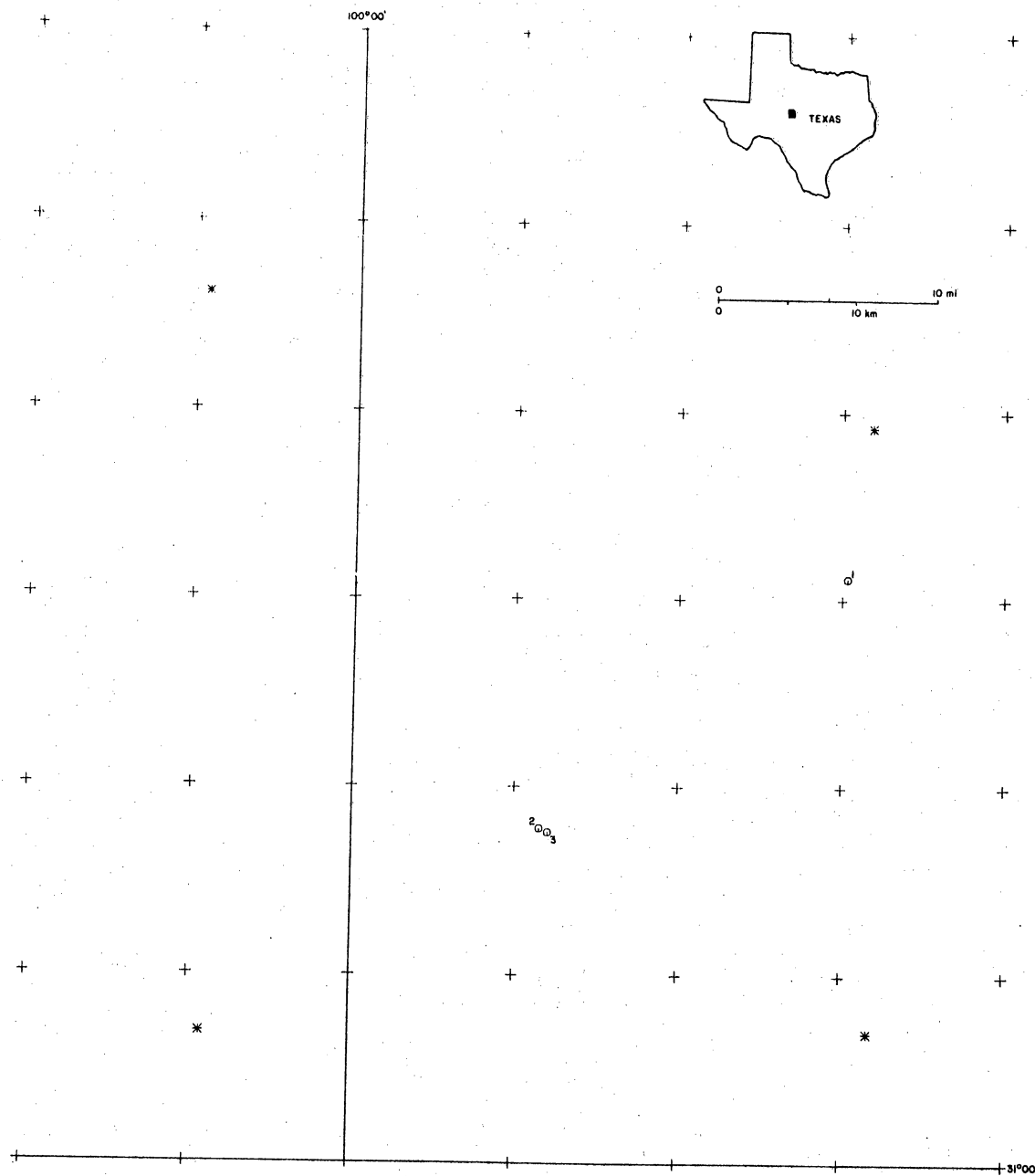


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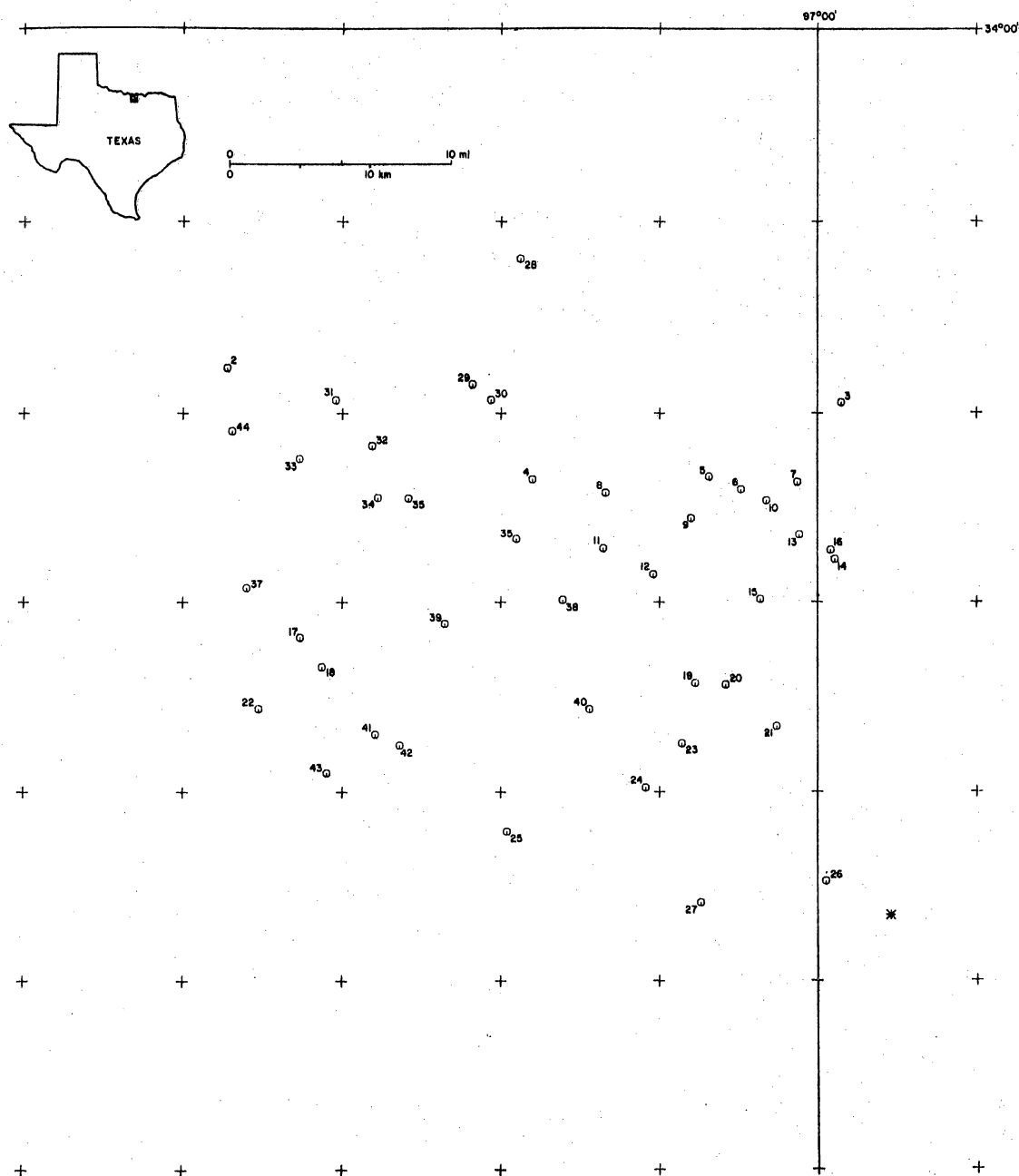
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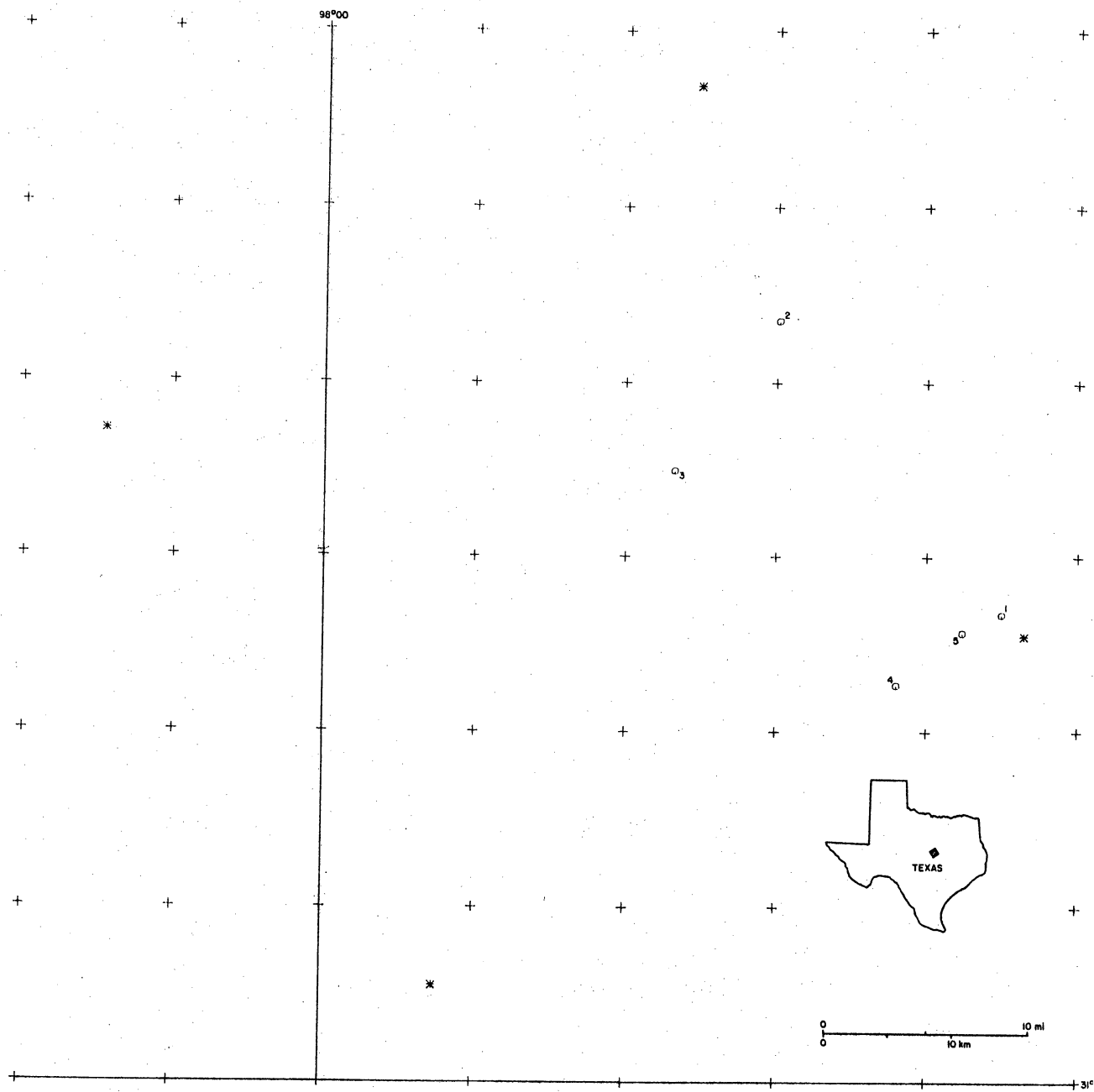
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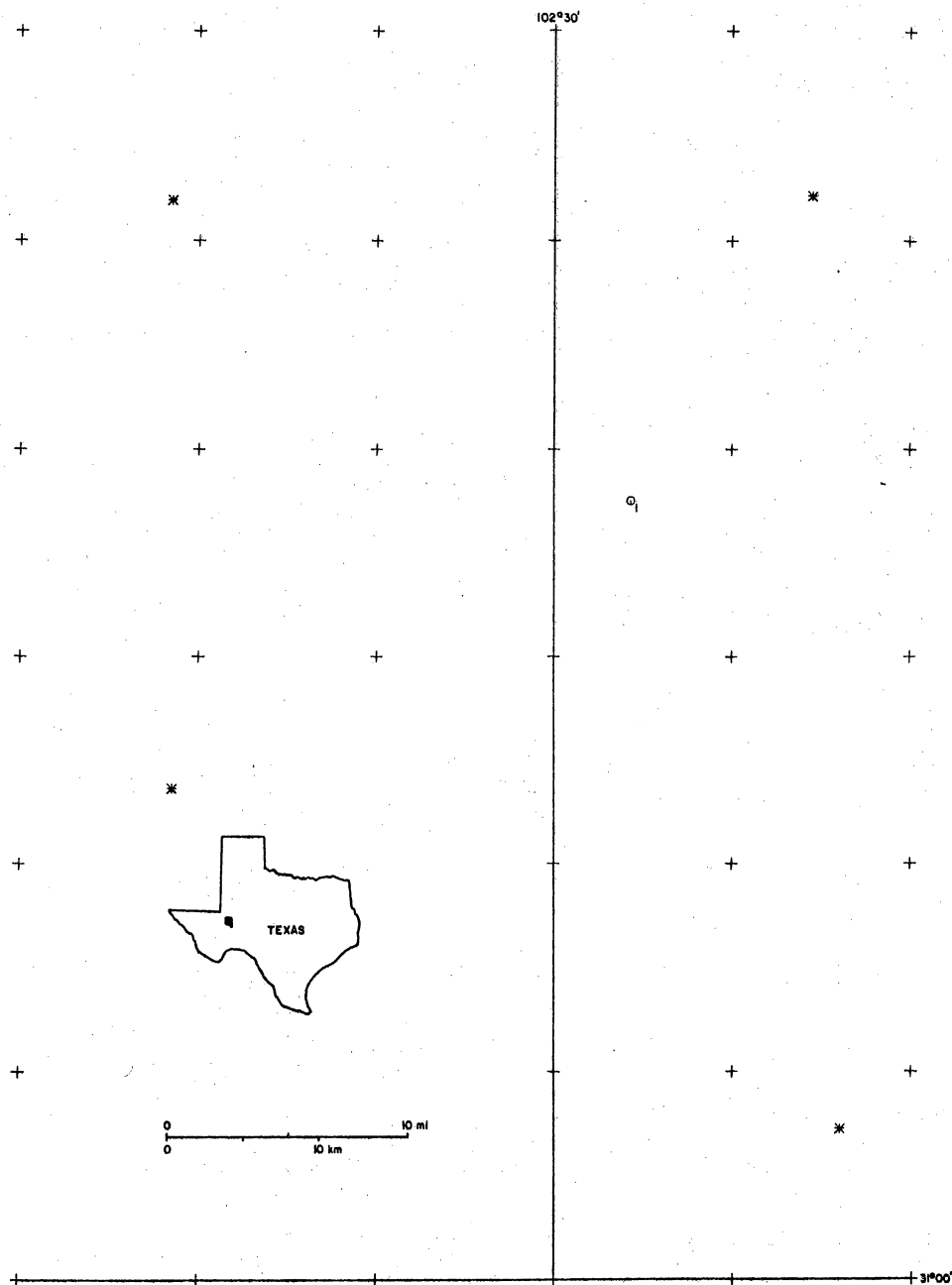
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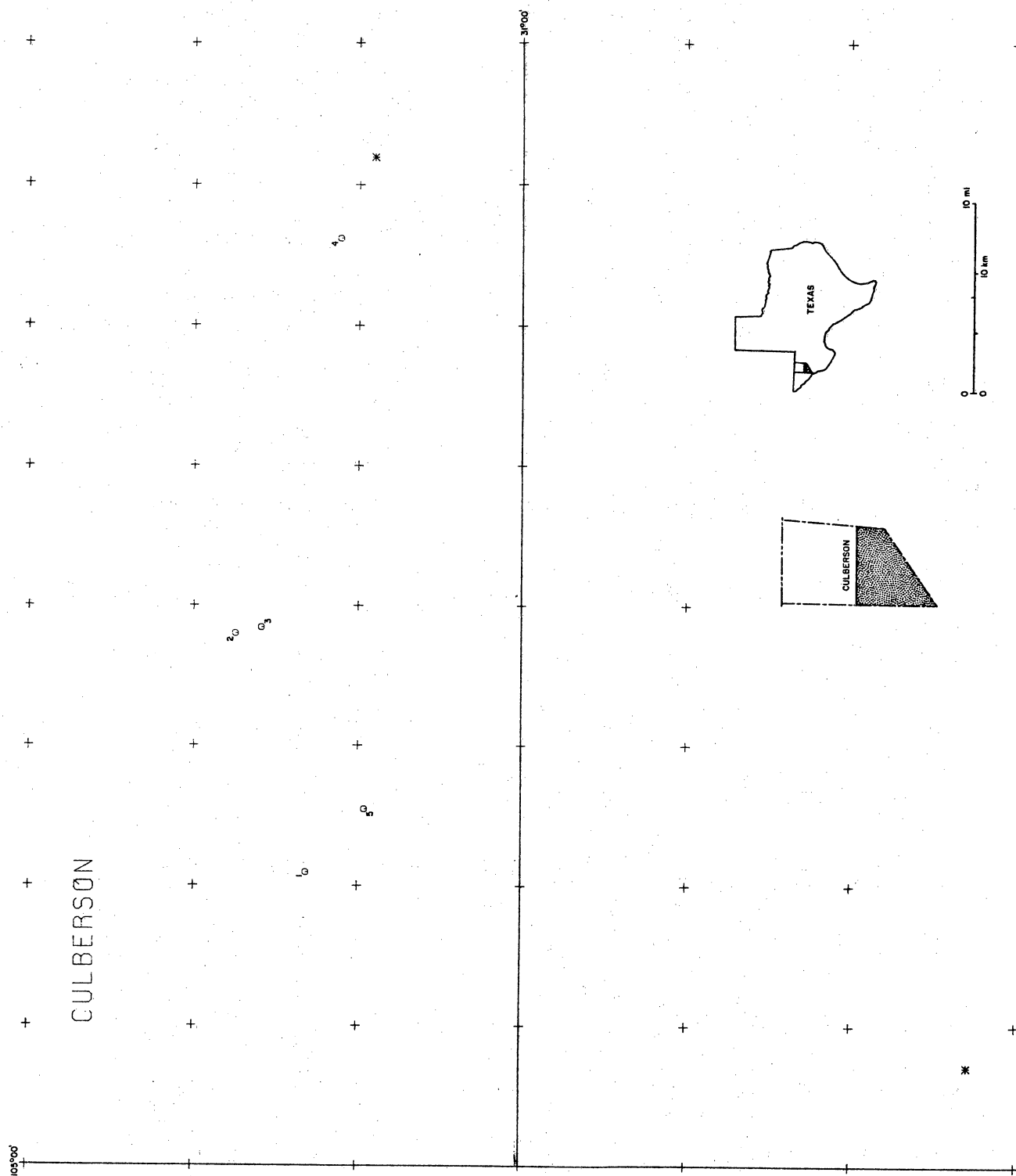


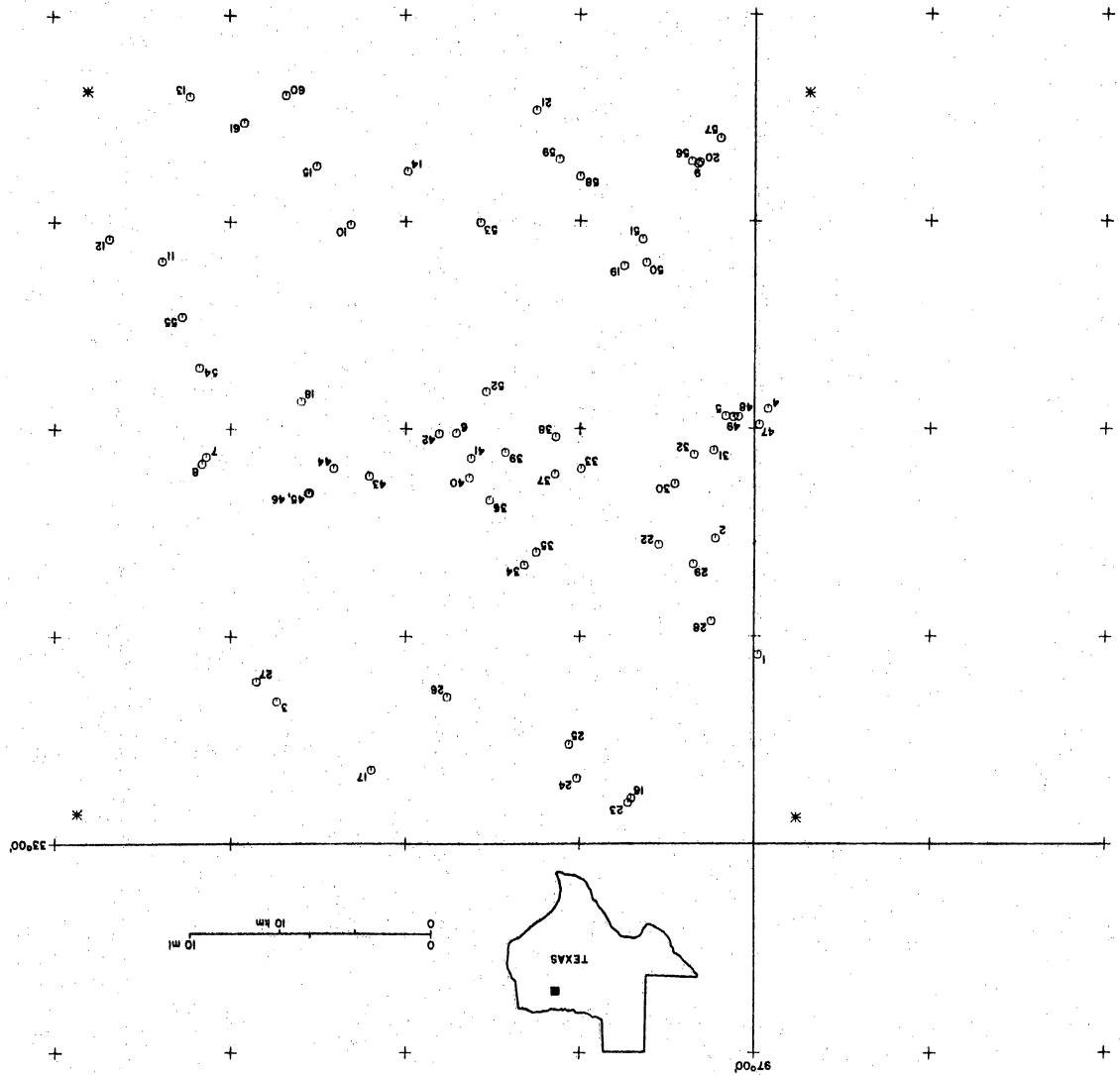
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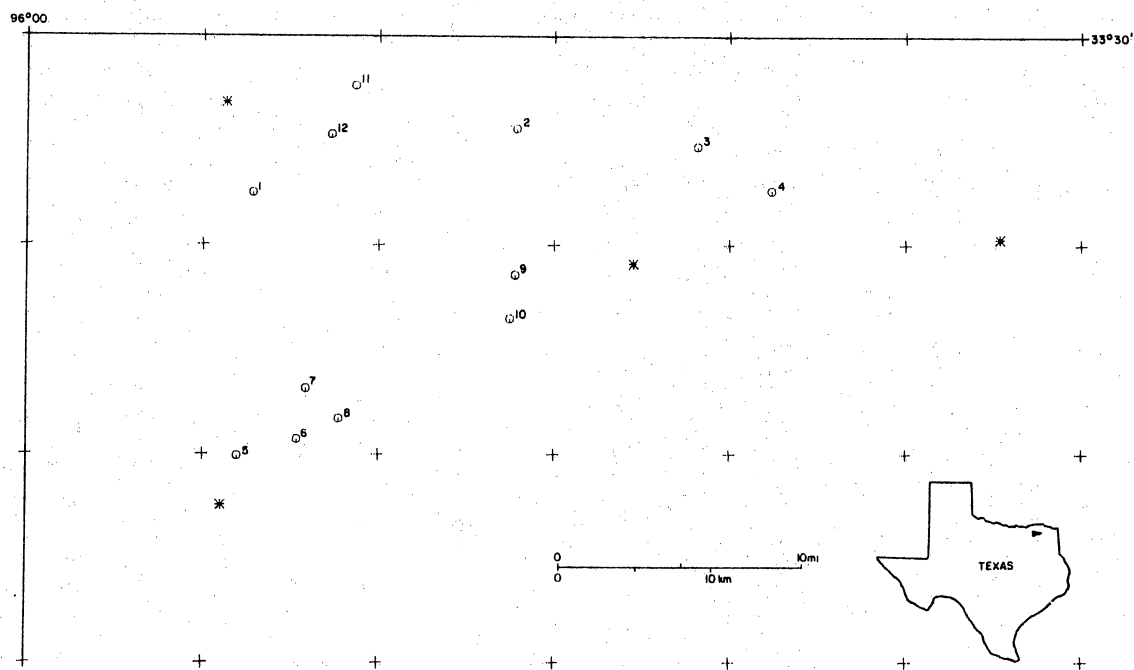




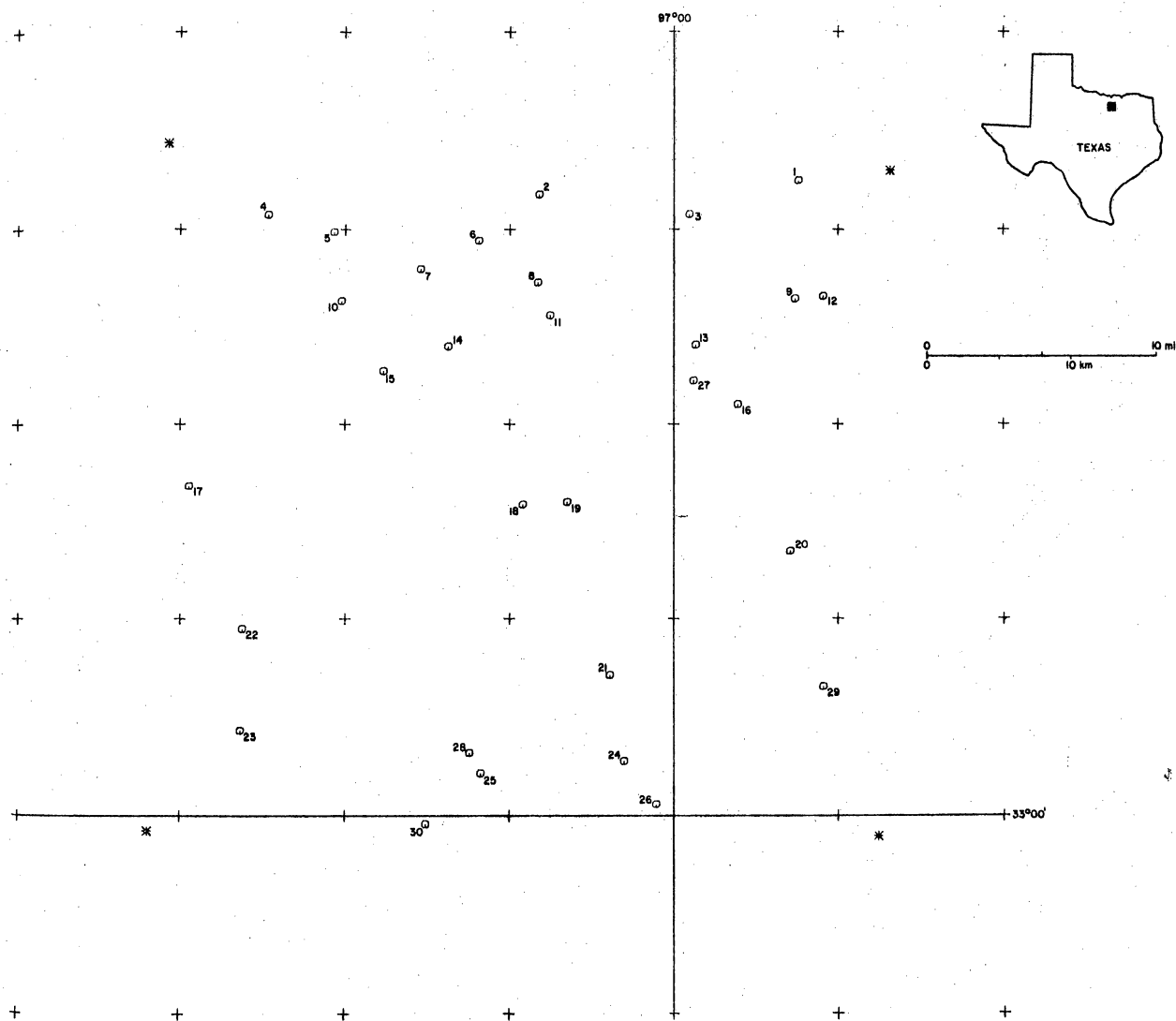


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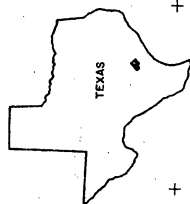
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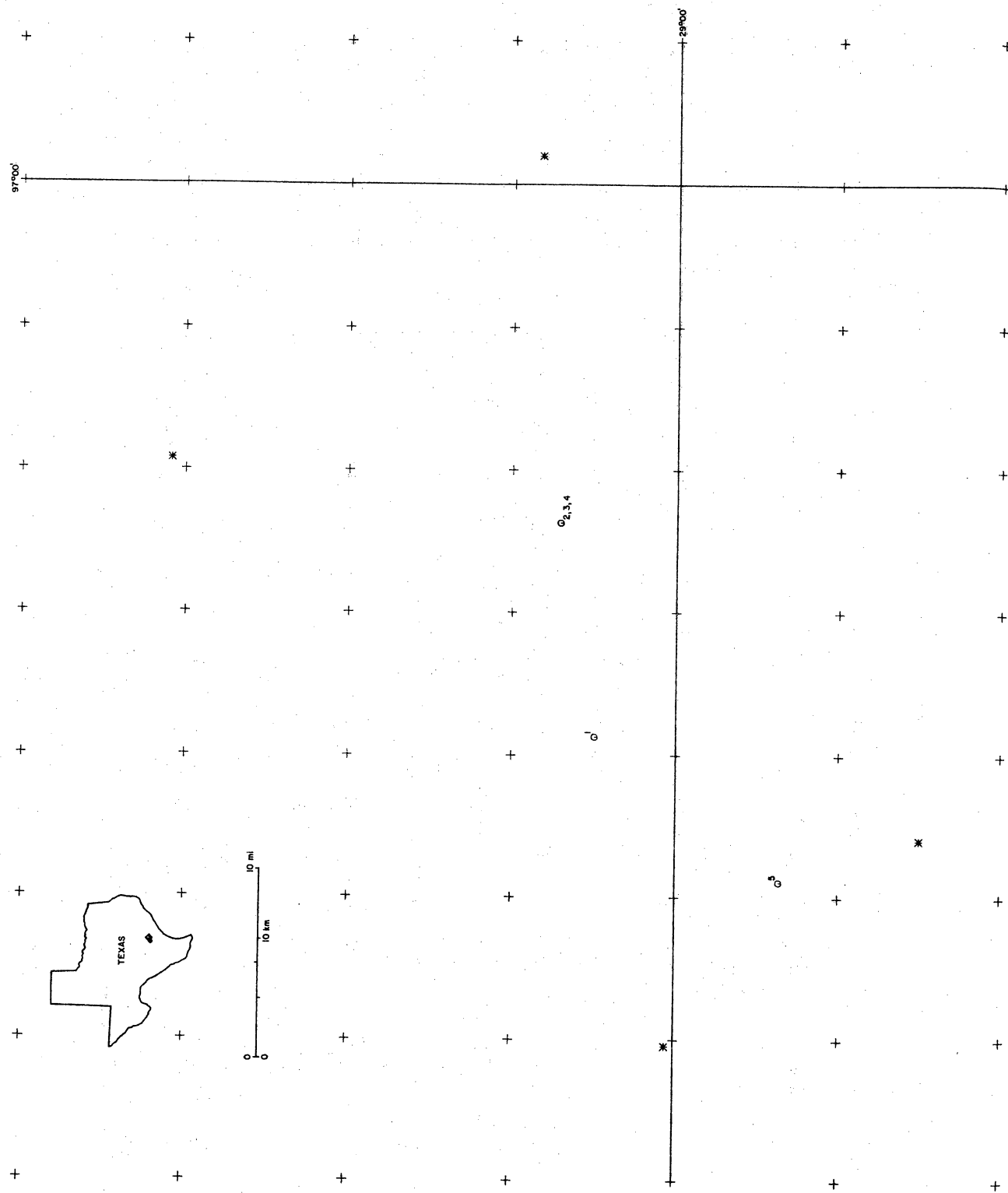
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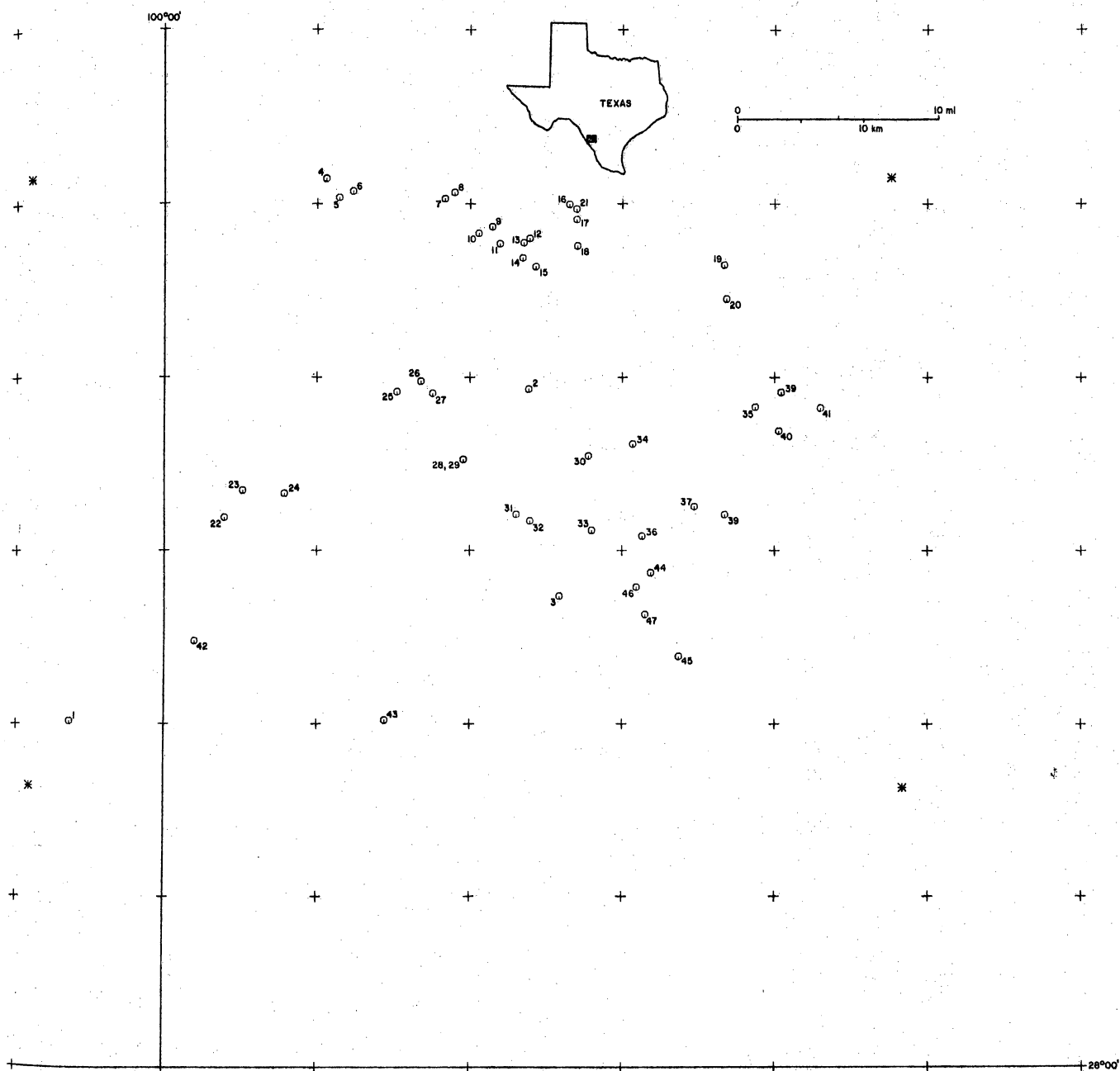
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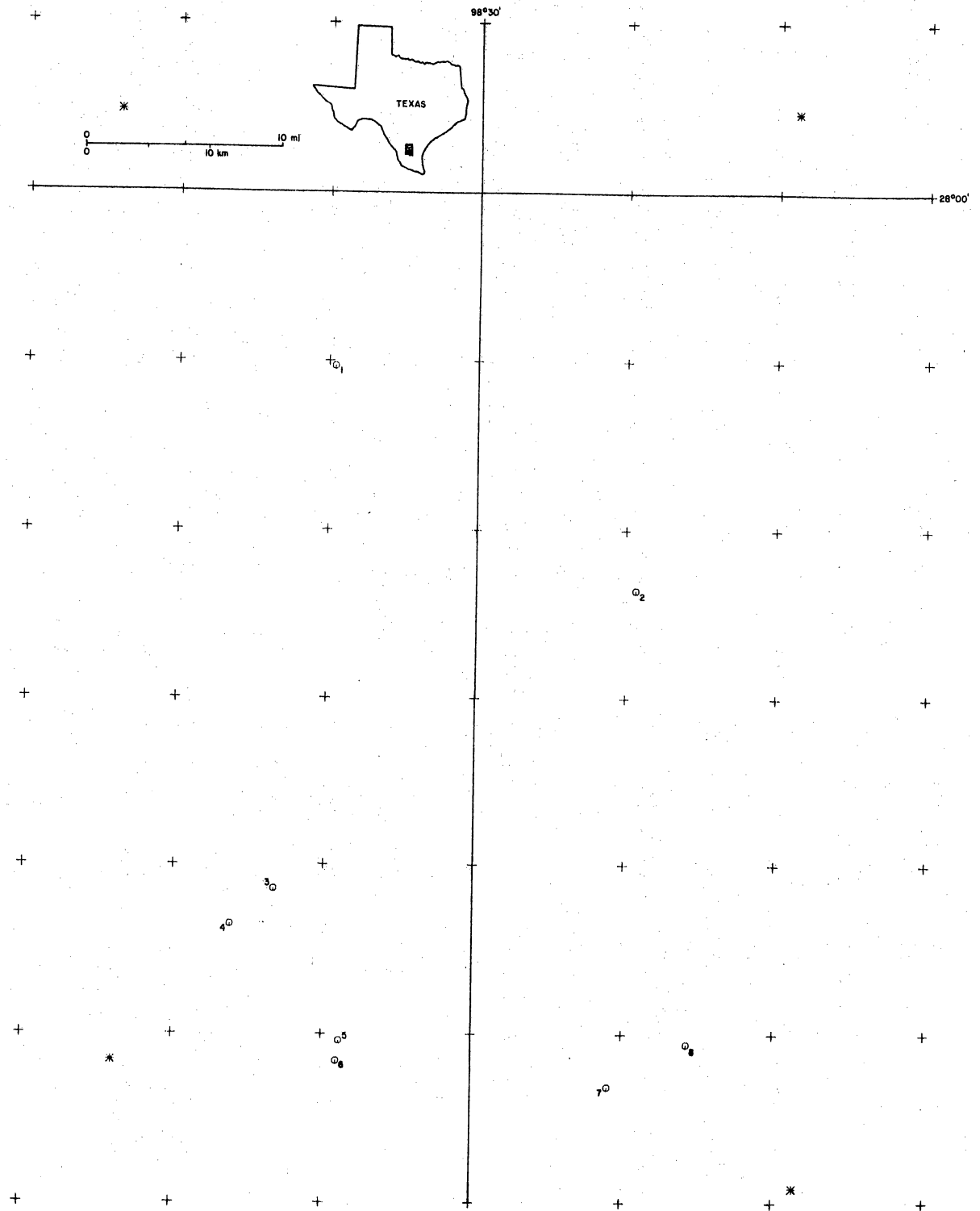
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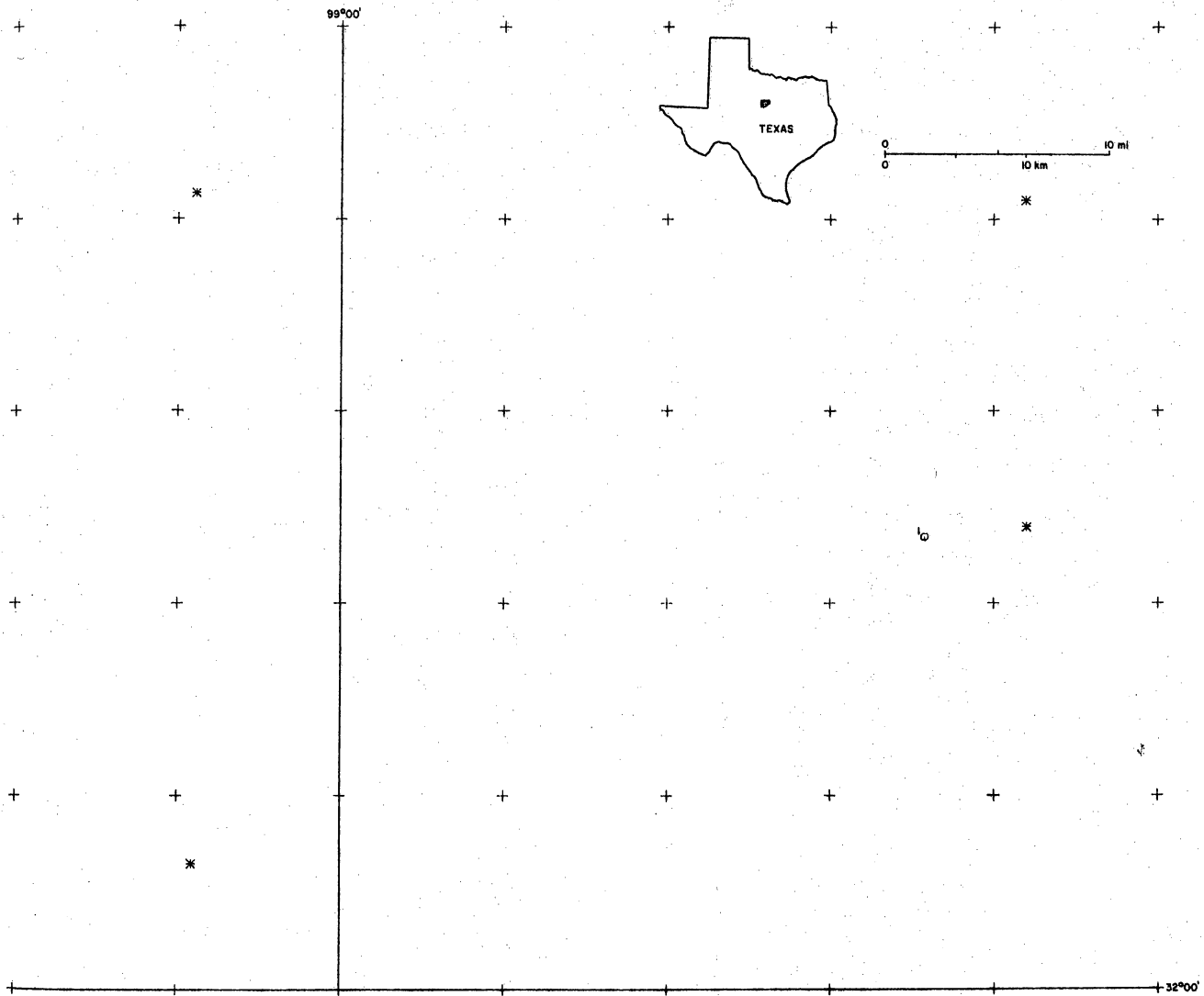
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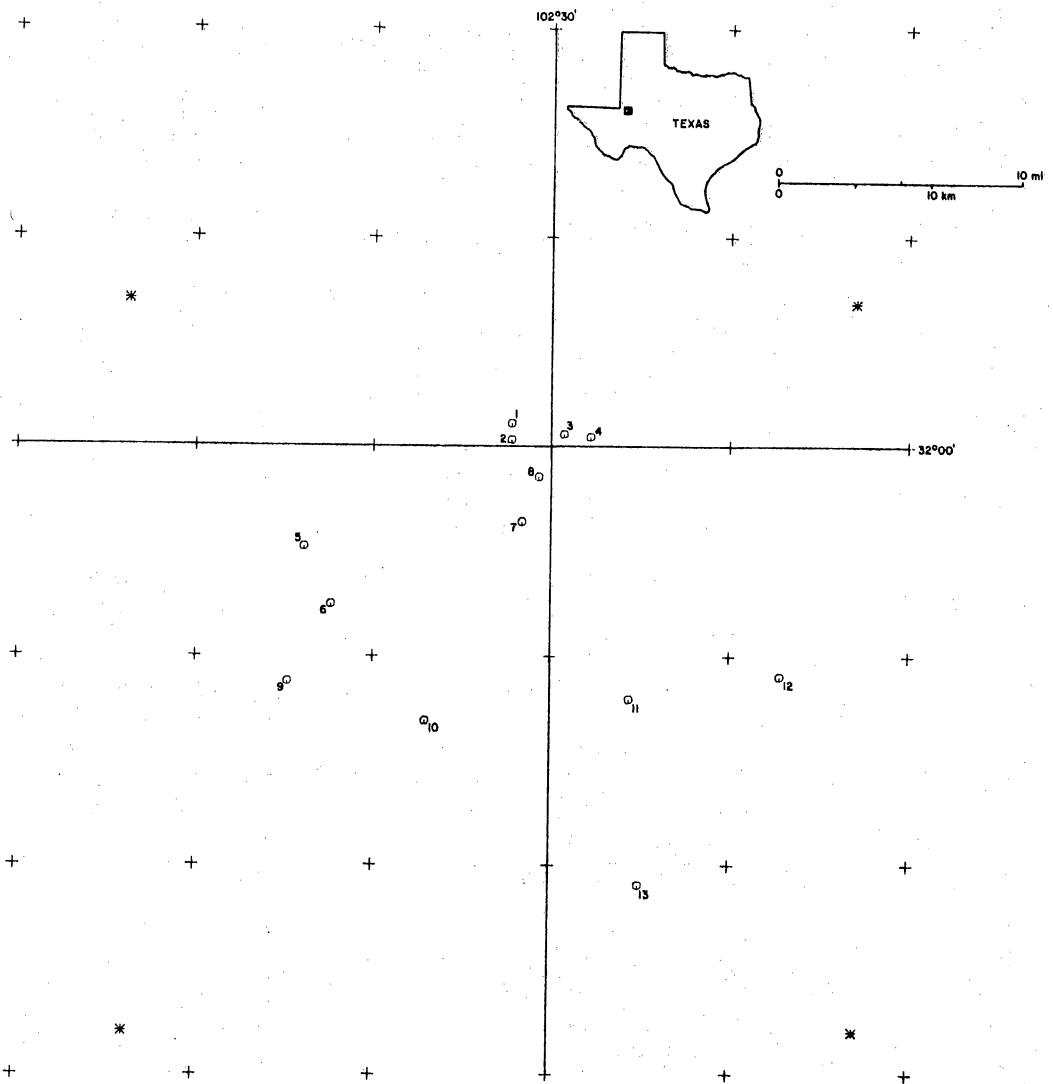
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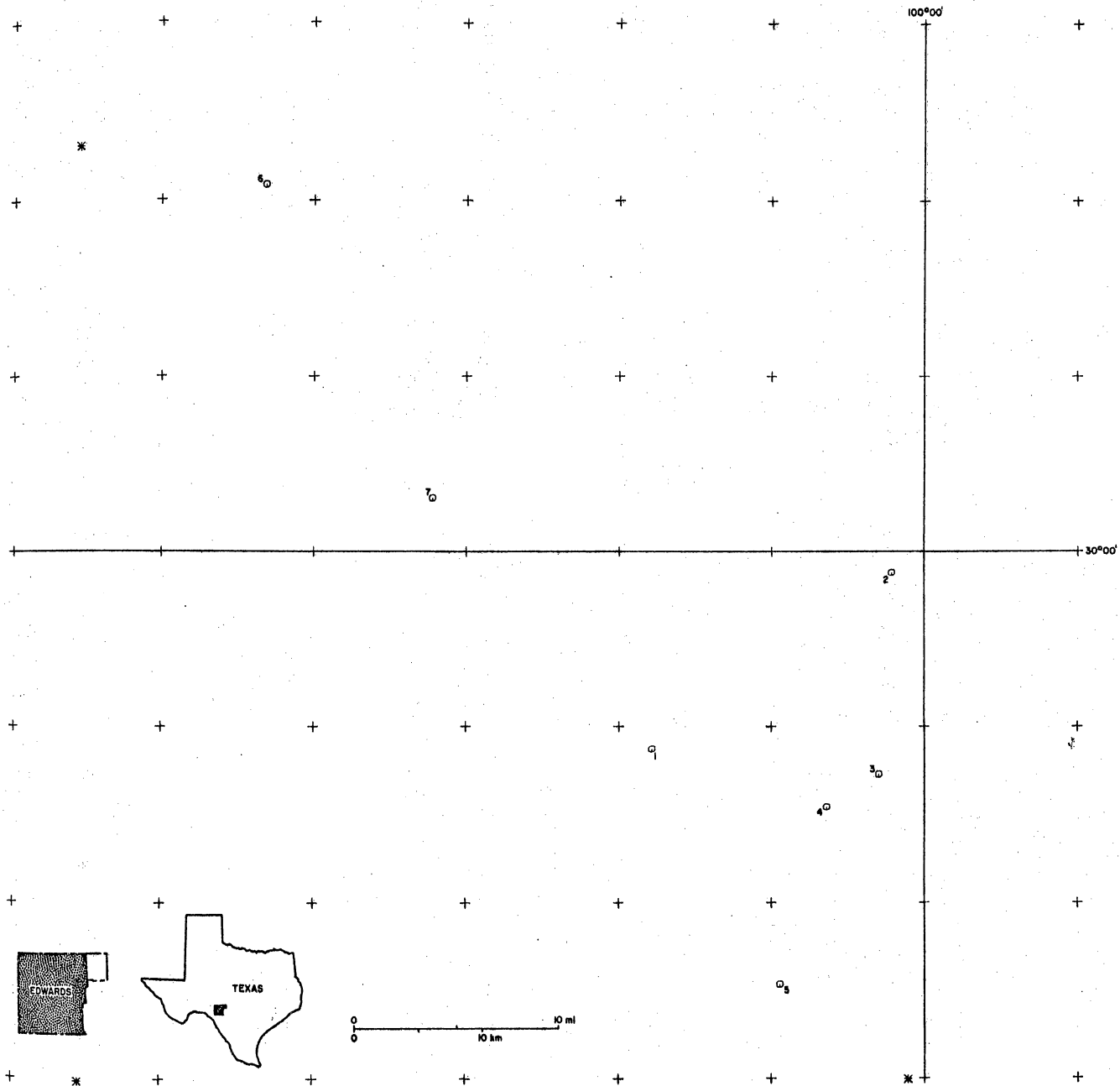
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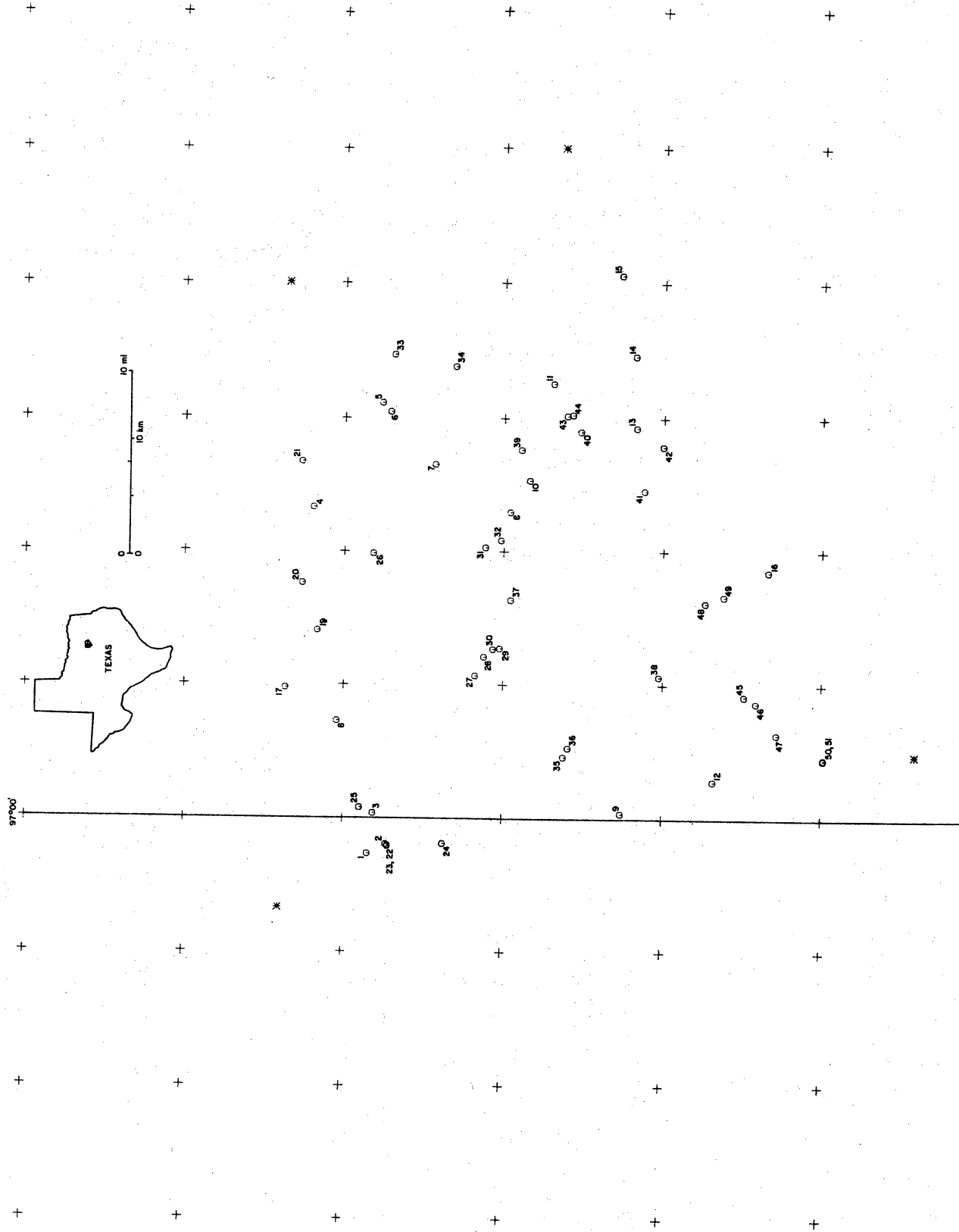
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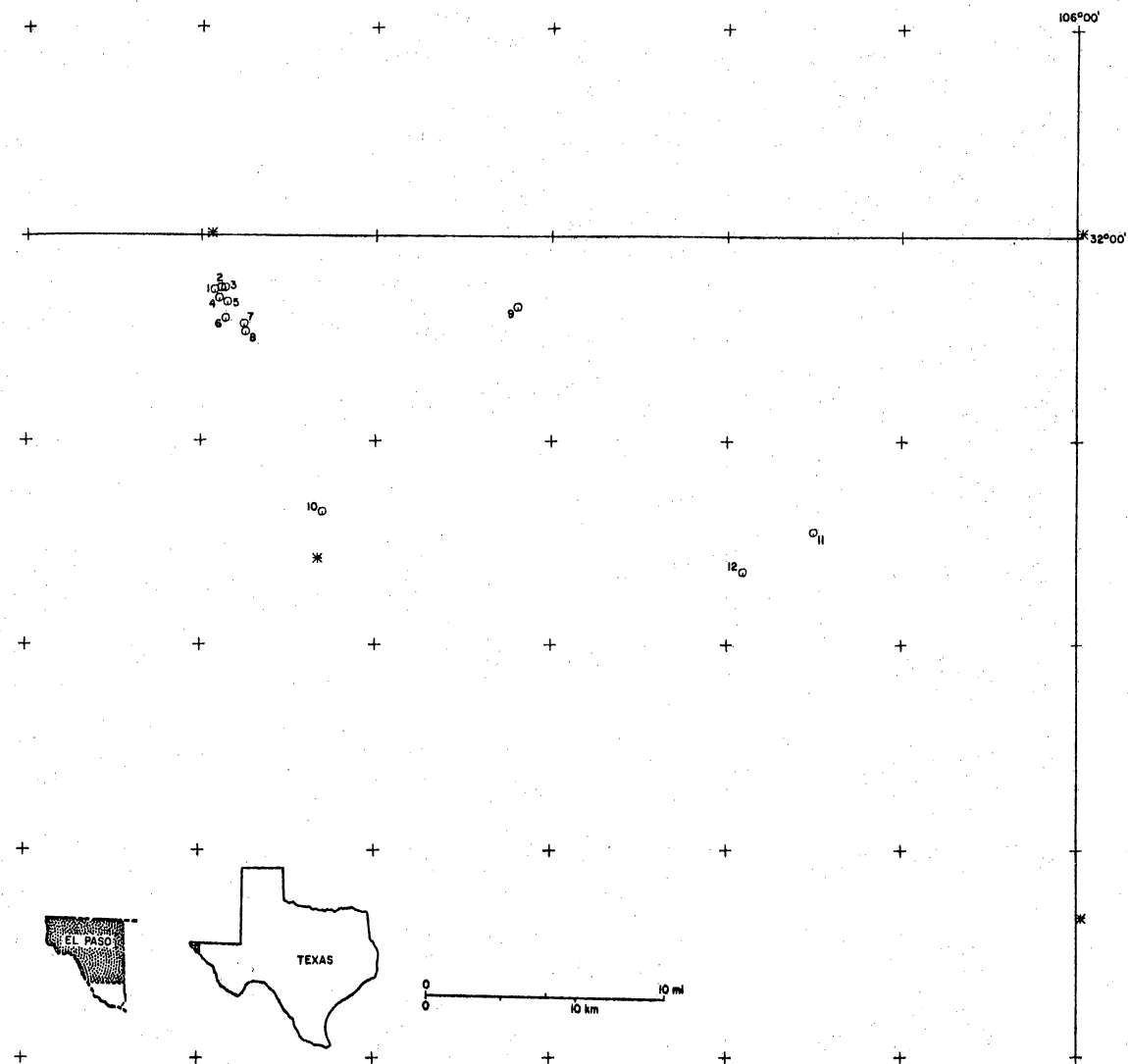
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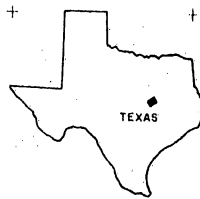
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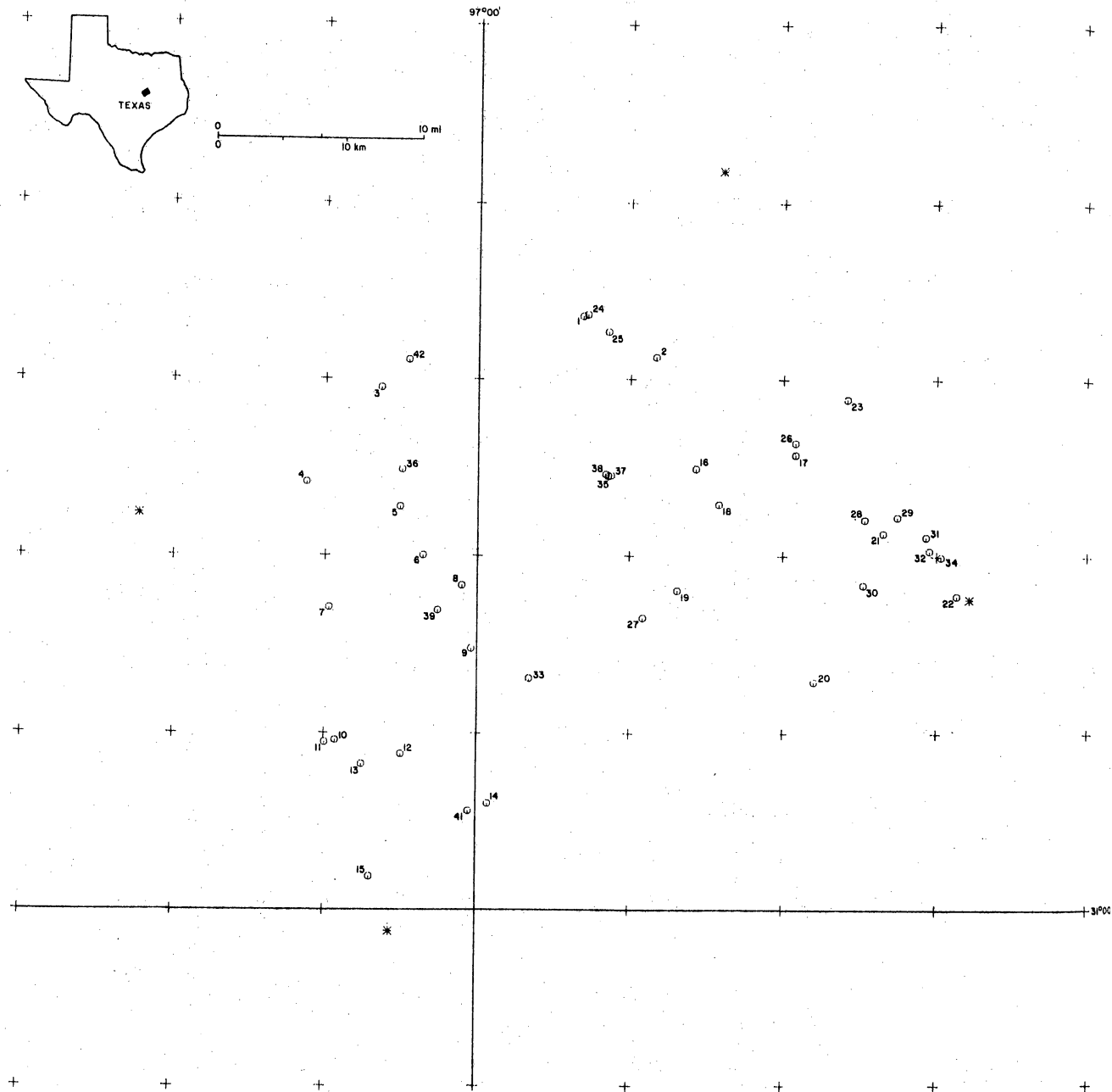
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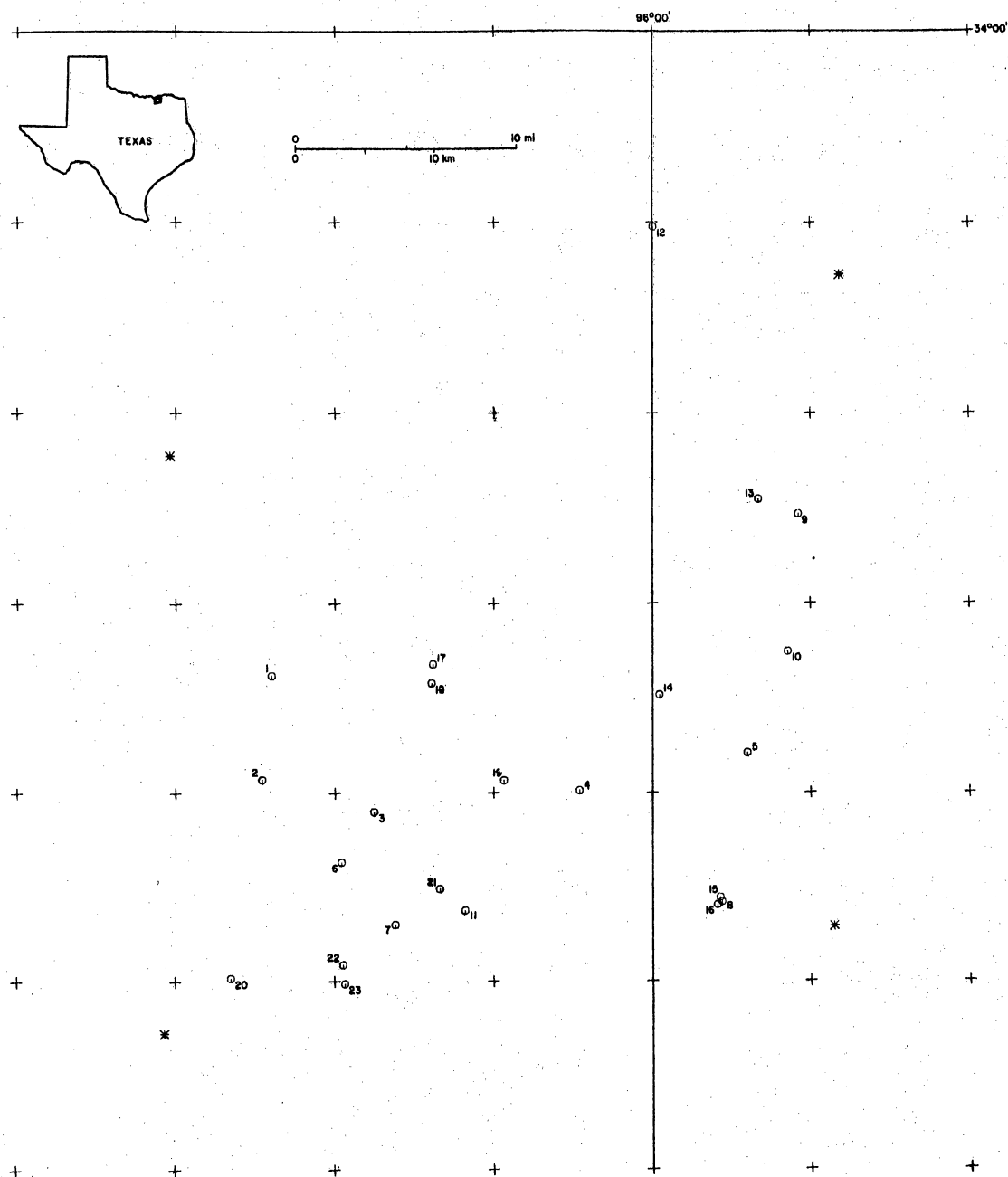
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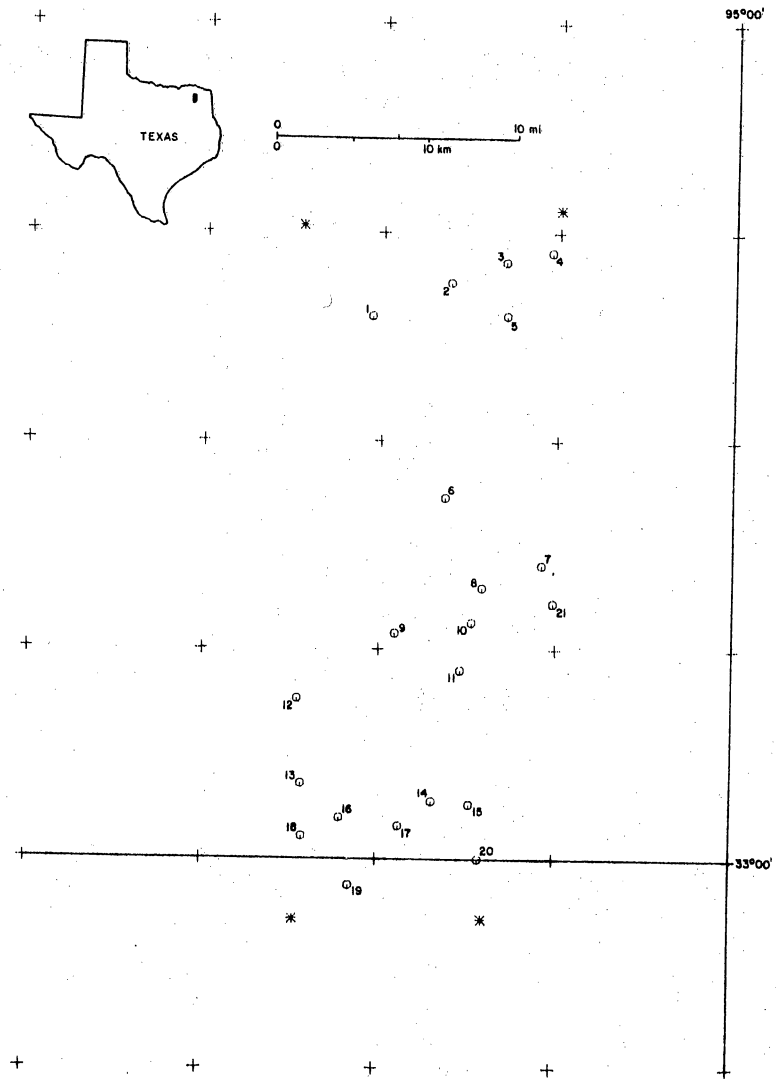
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0 10 km



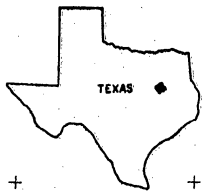
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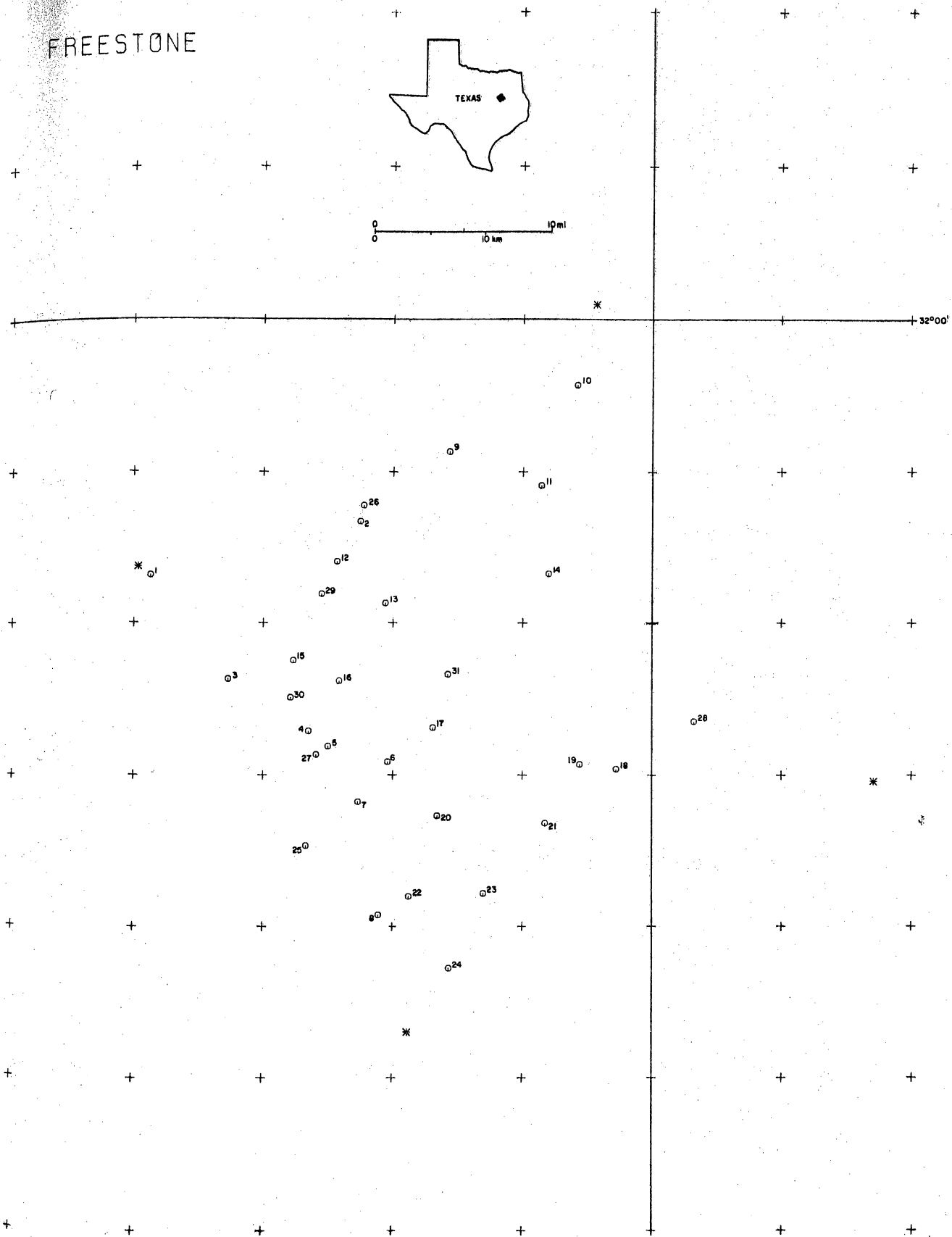
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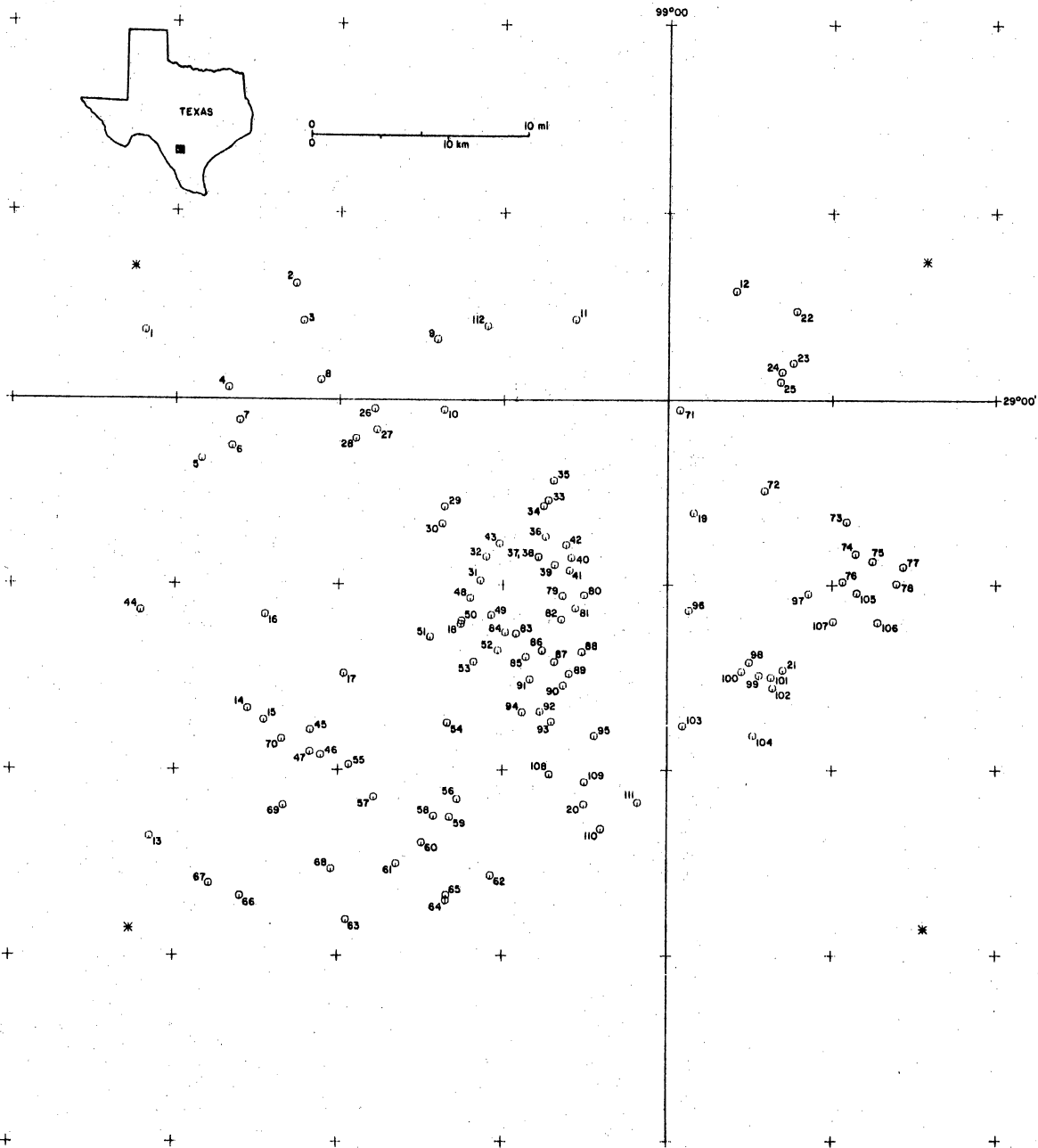
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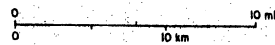
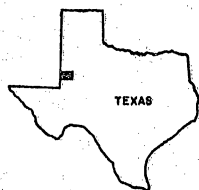
0 10 mi
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FR10

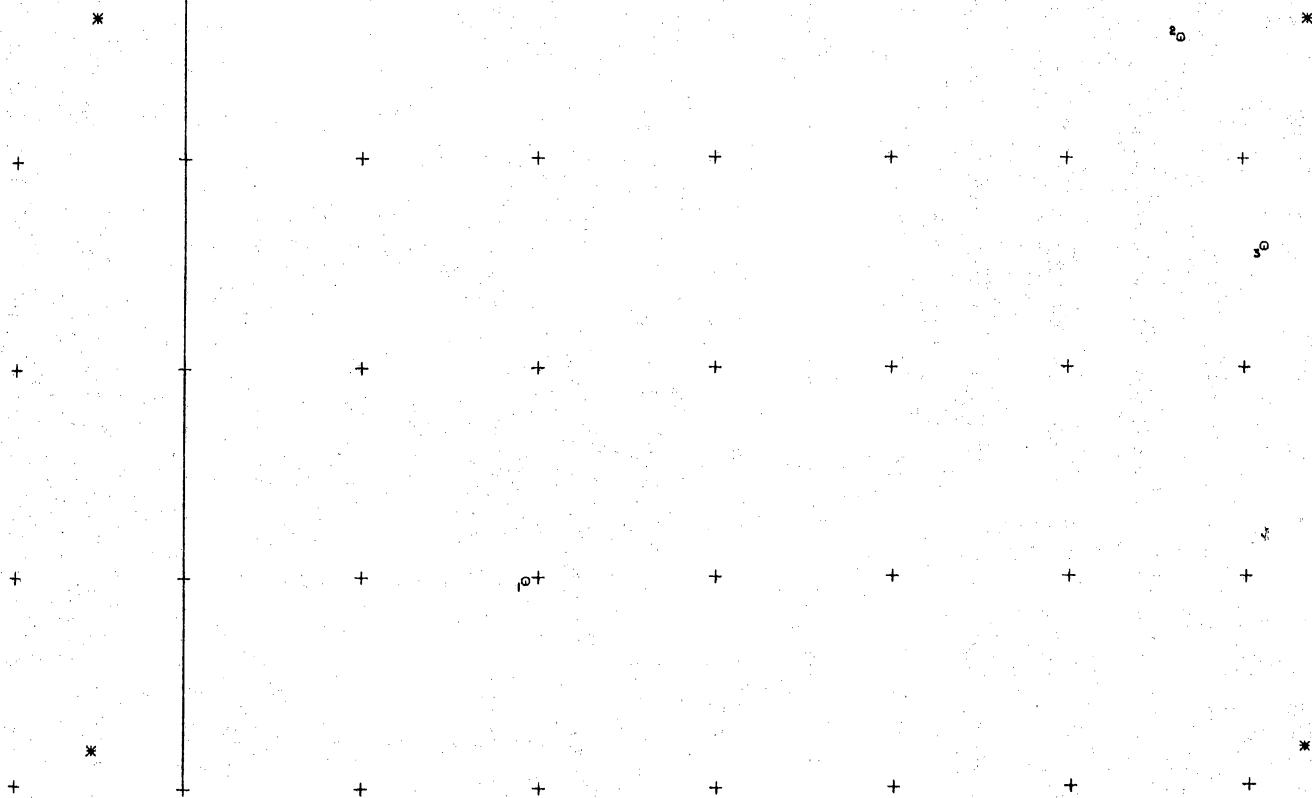


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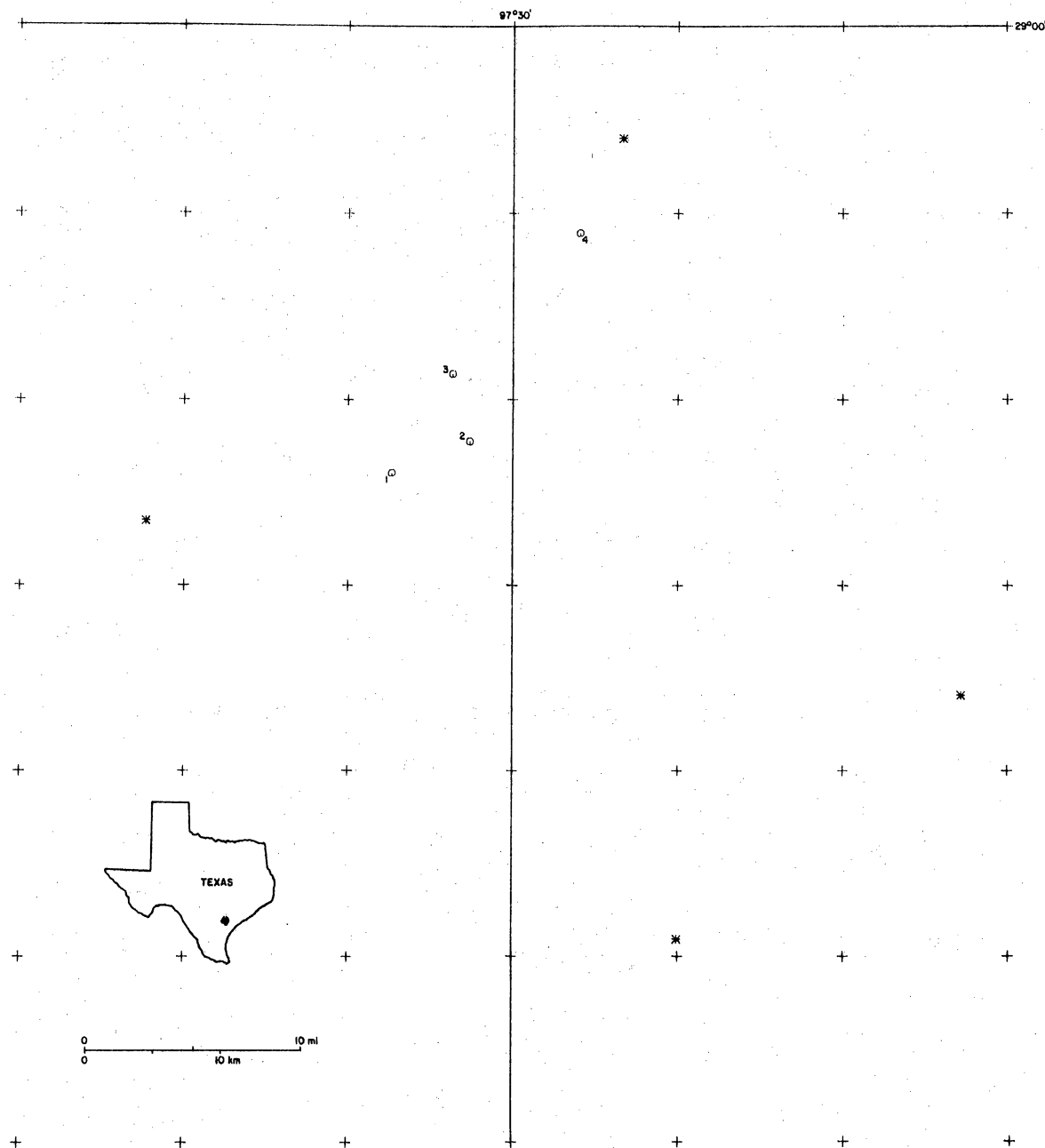


103°00'

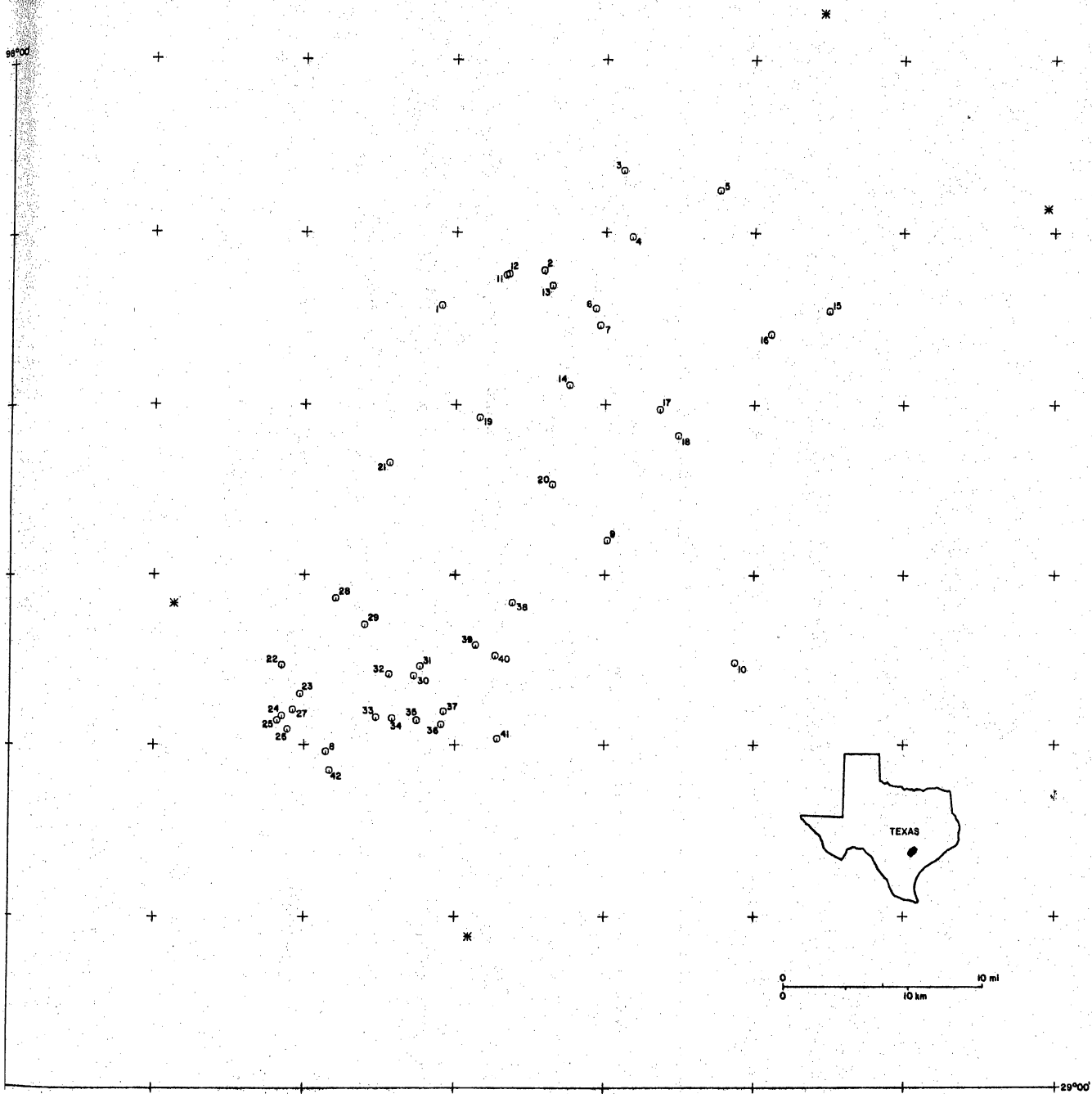
33°00'

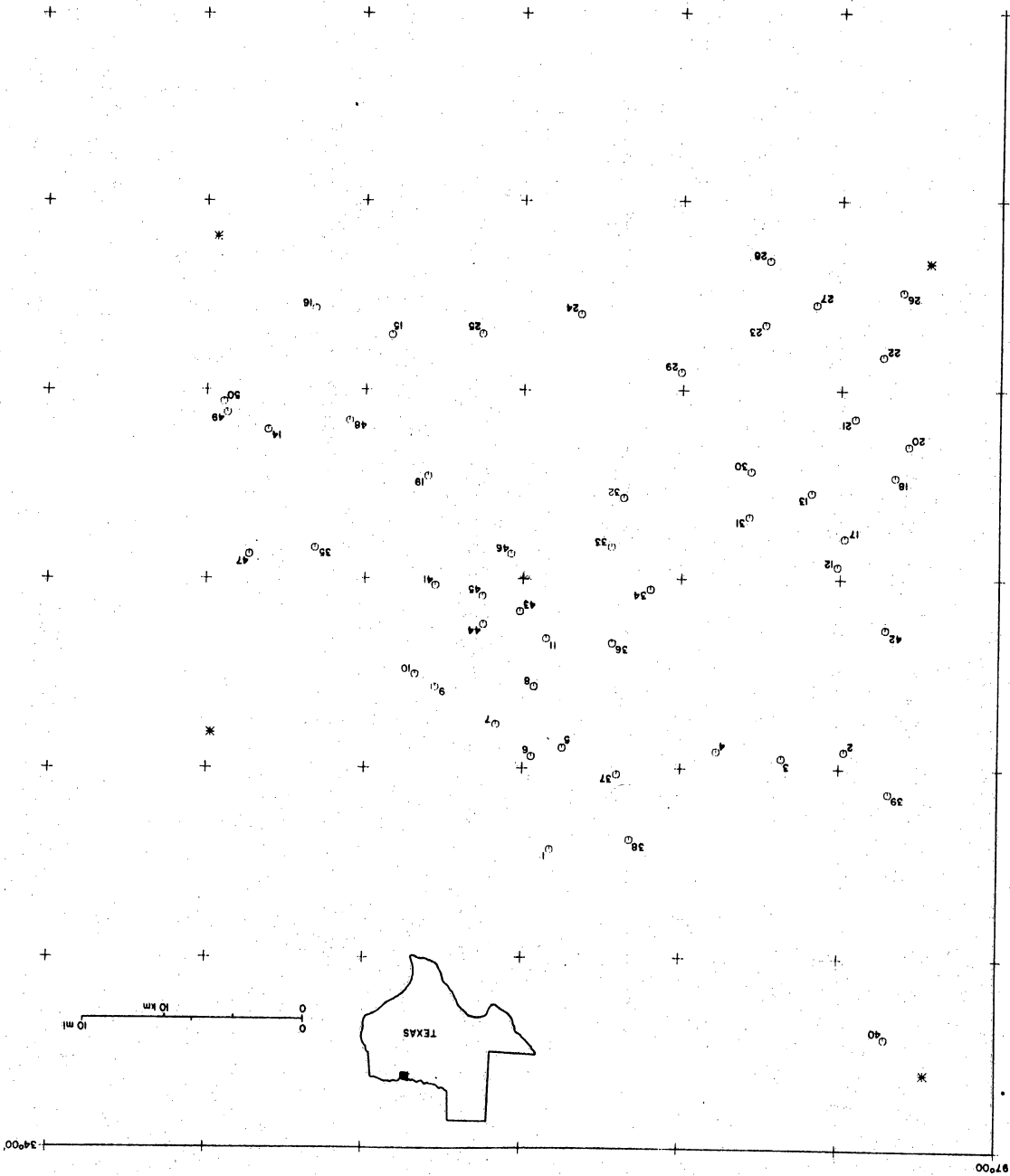


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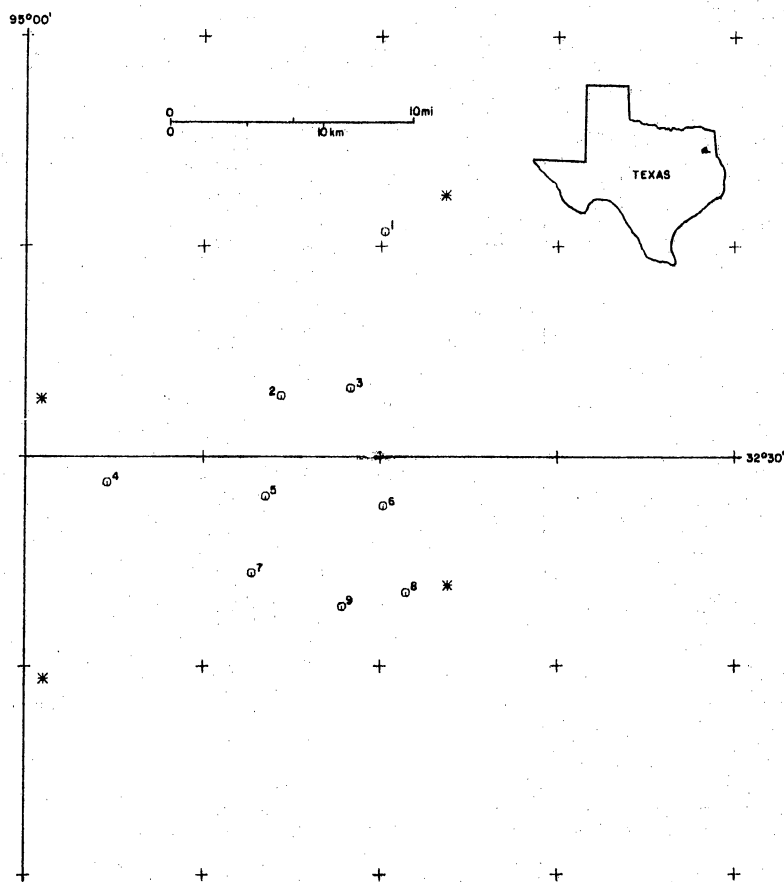
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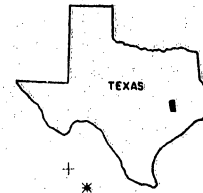


GRAYSON

GREGG



GRIMES

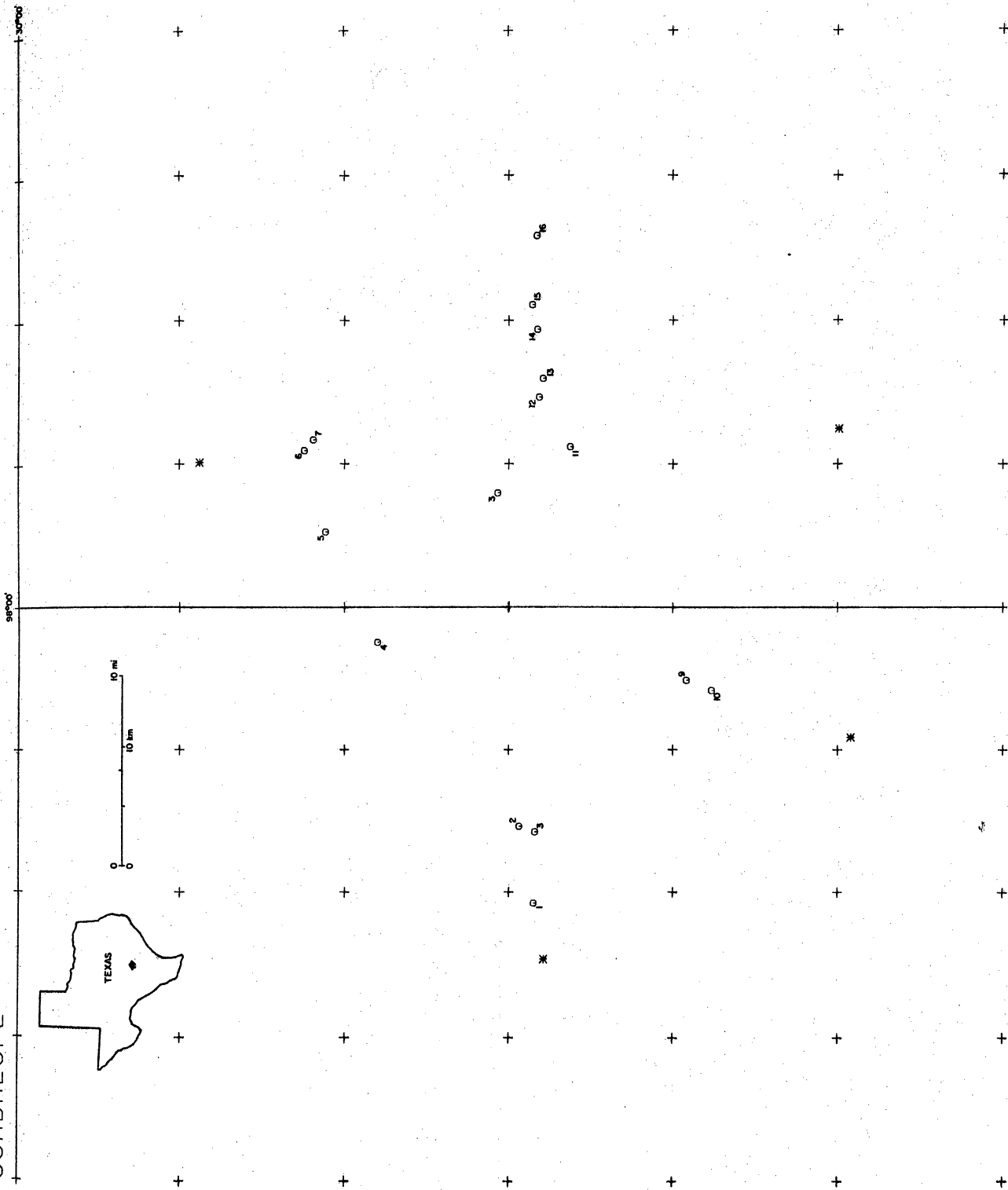


0 10 km 10 mi

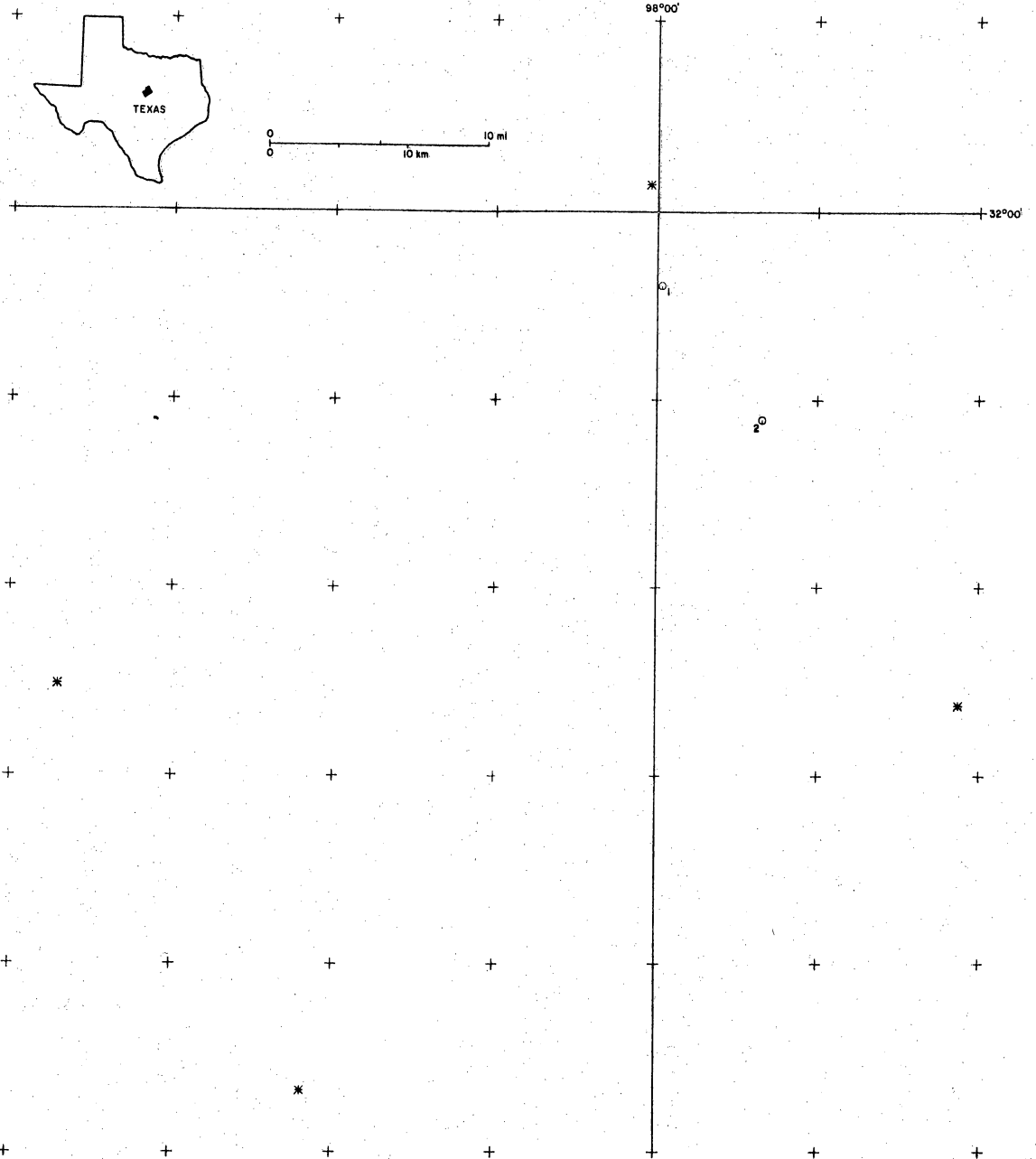
ω^1

ω^2

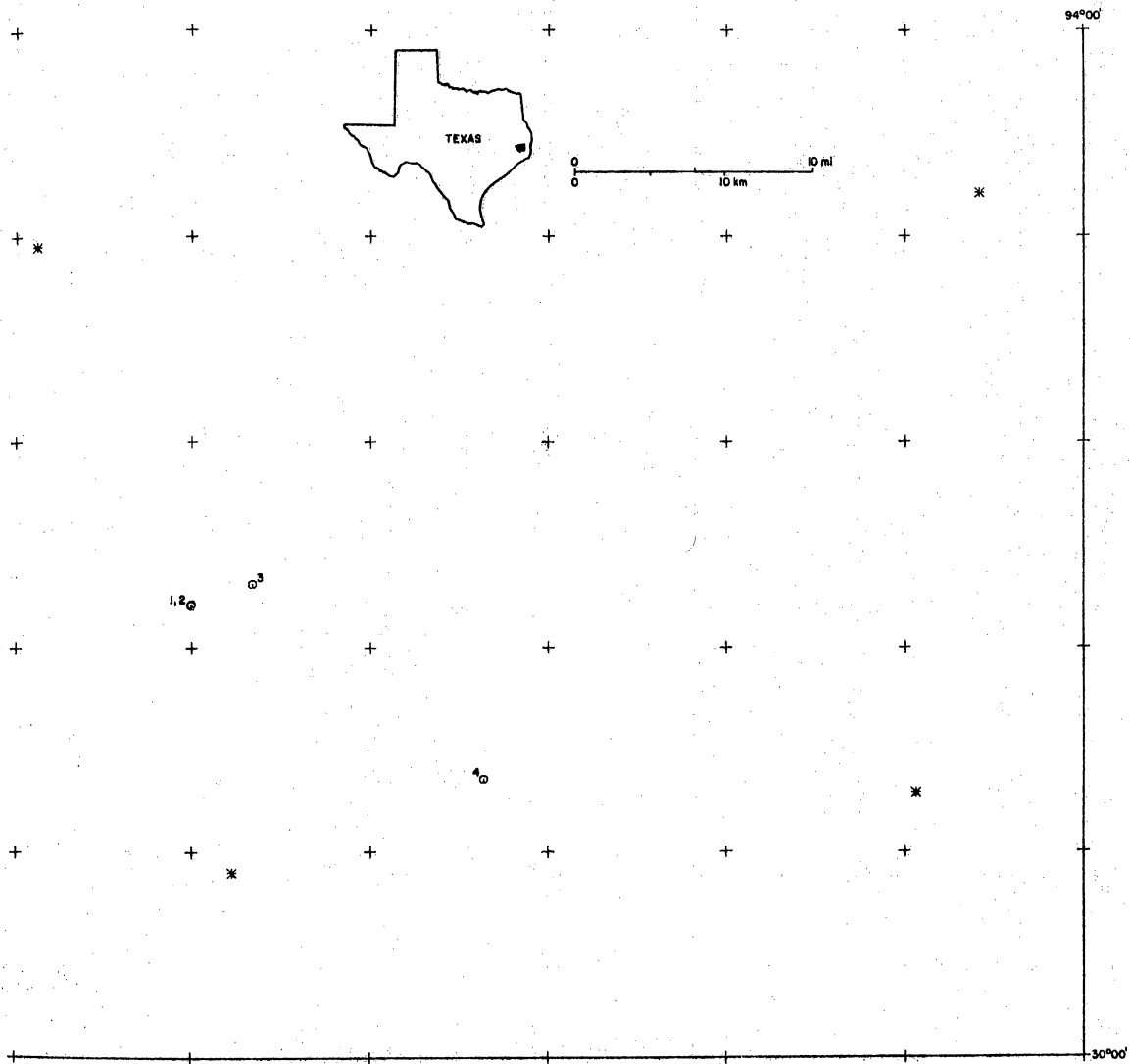
ω^3



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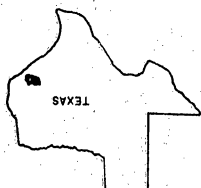


HARDIN



A-58

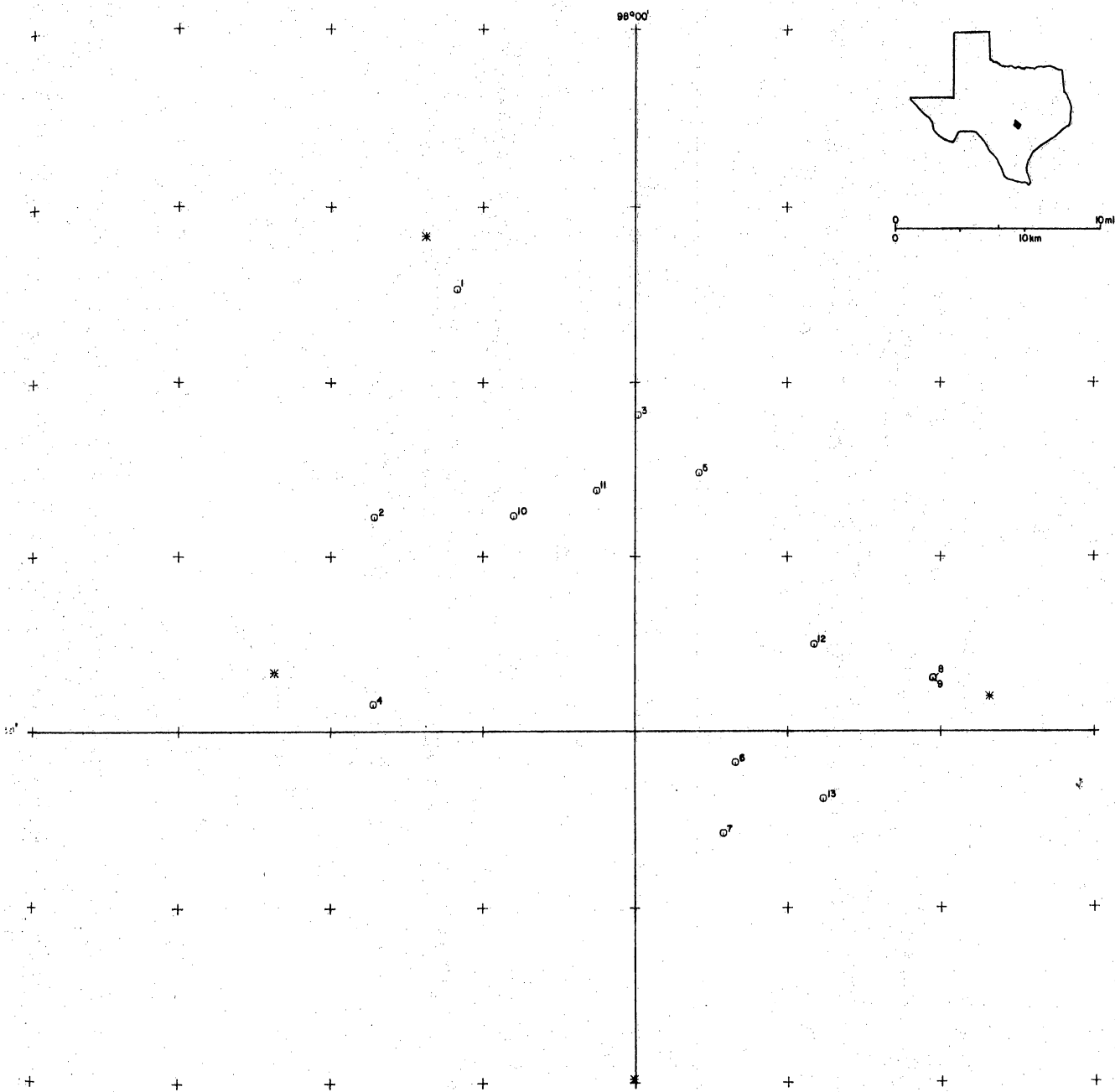
0 10 km
0 10 mi



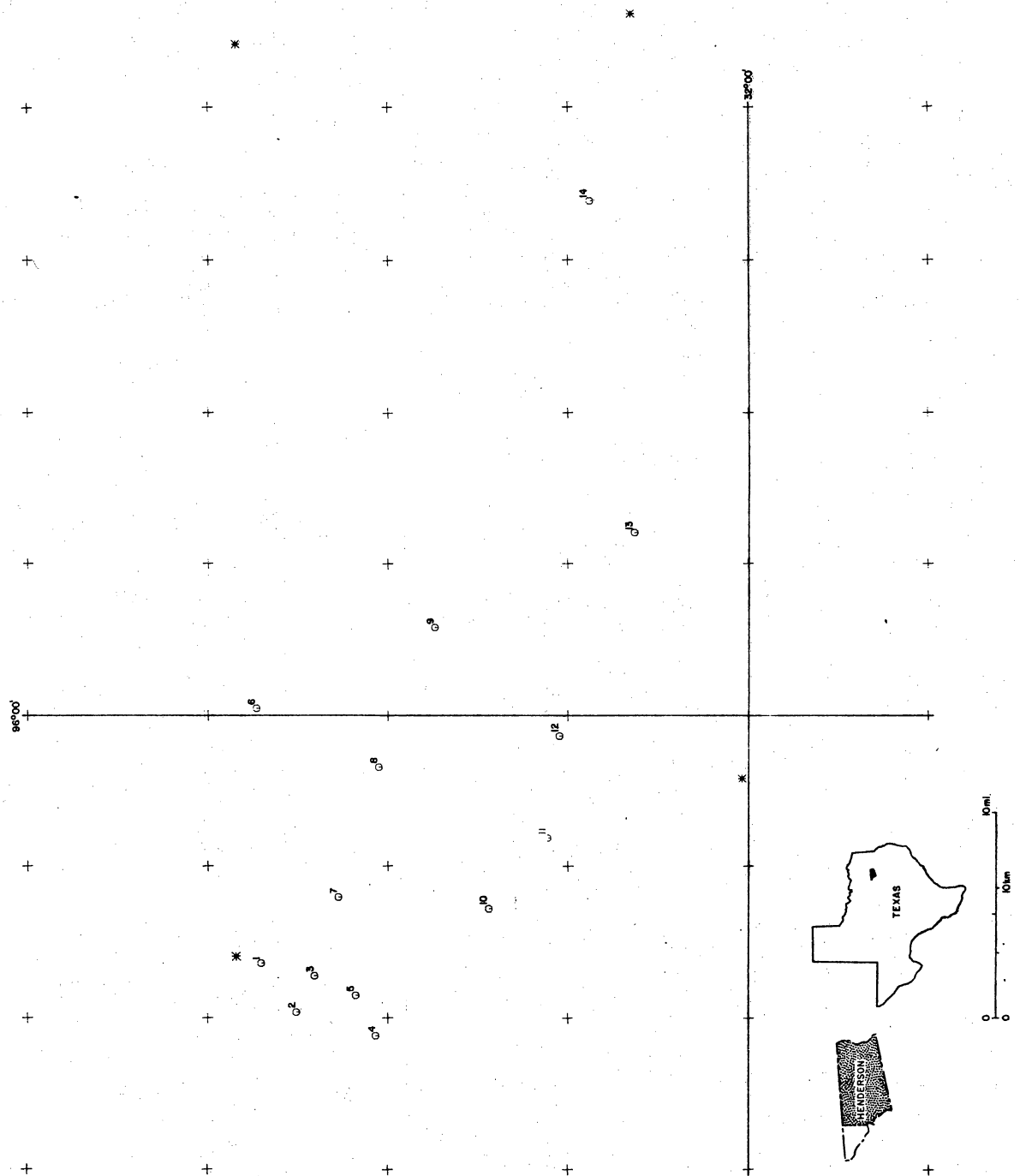
HARRIS

96°00'

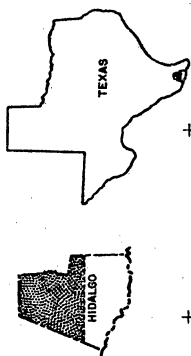
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HENDERSON



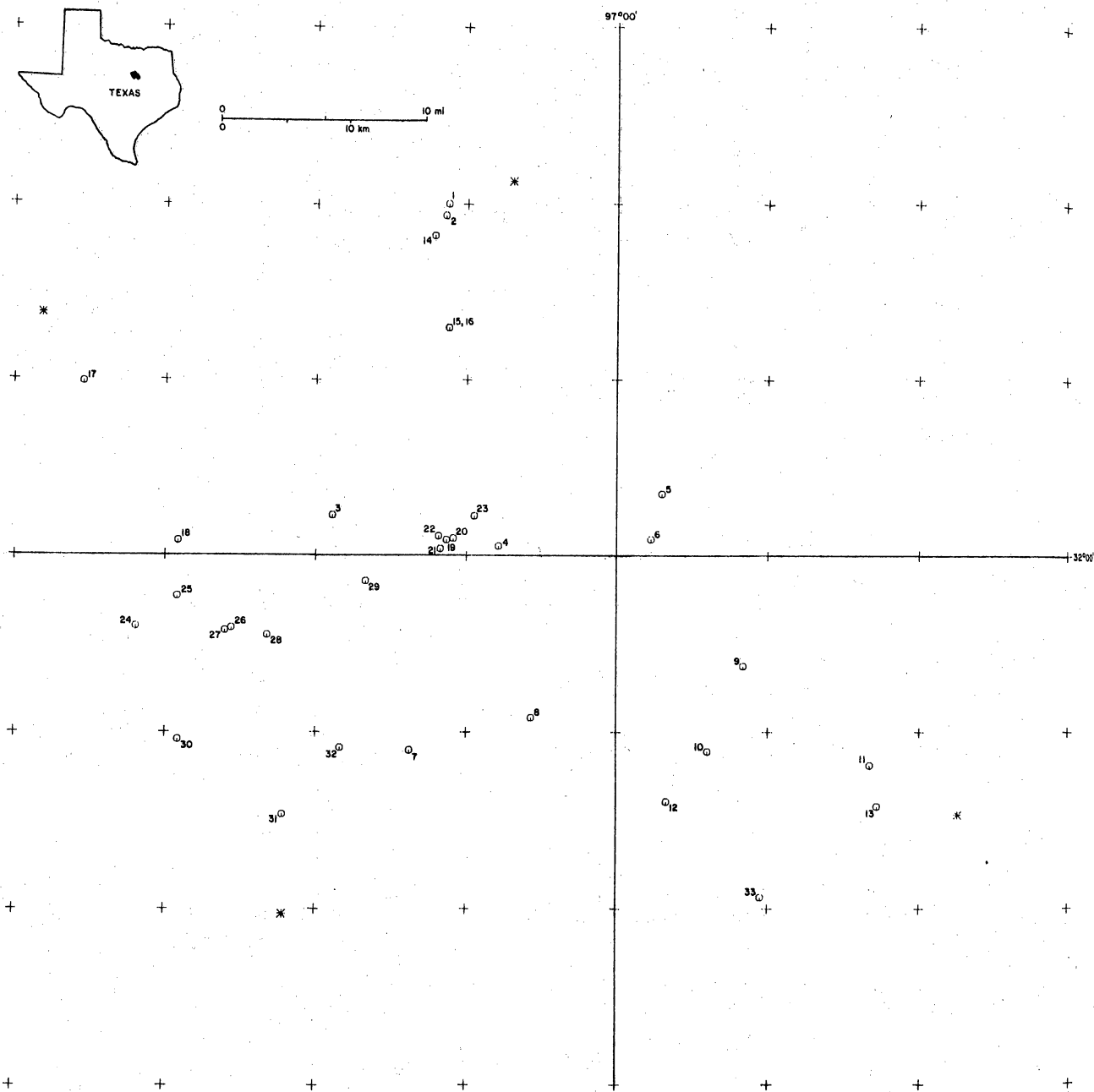
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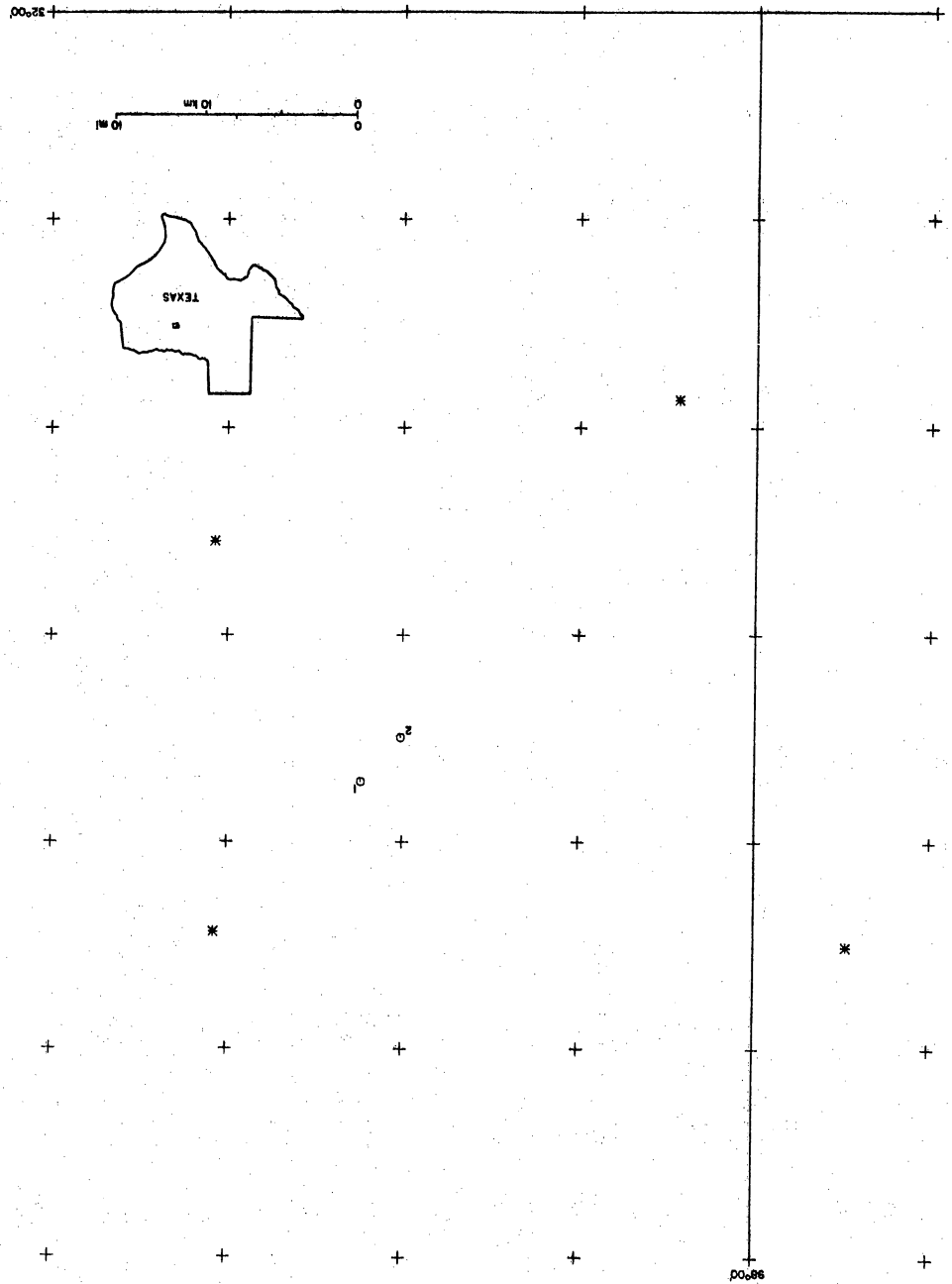


10 mi
10 km



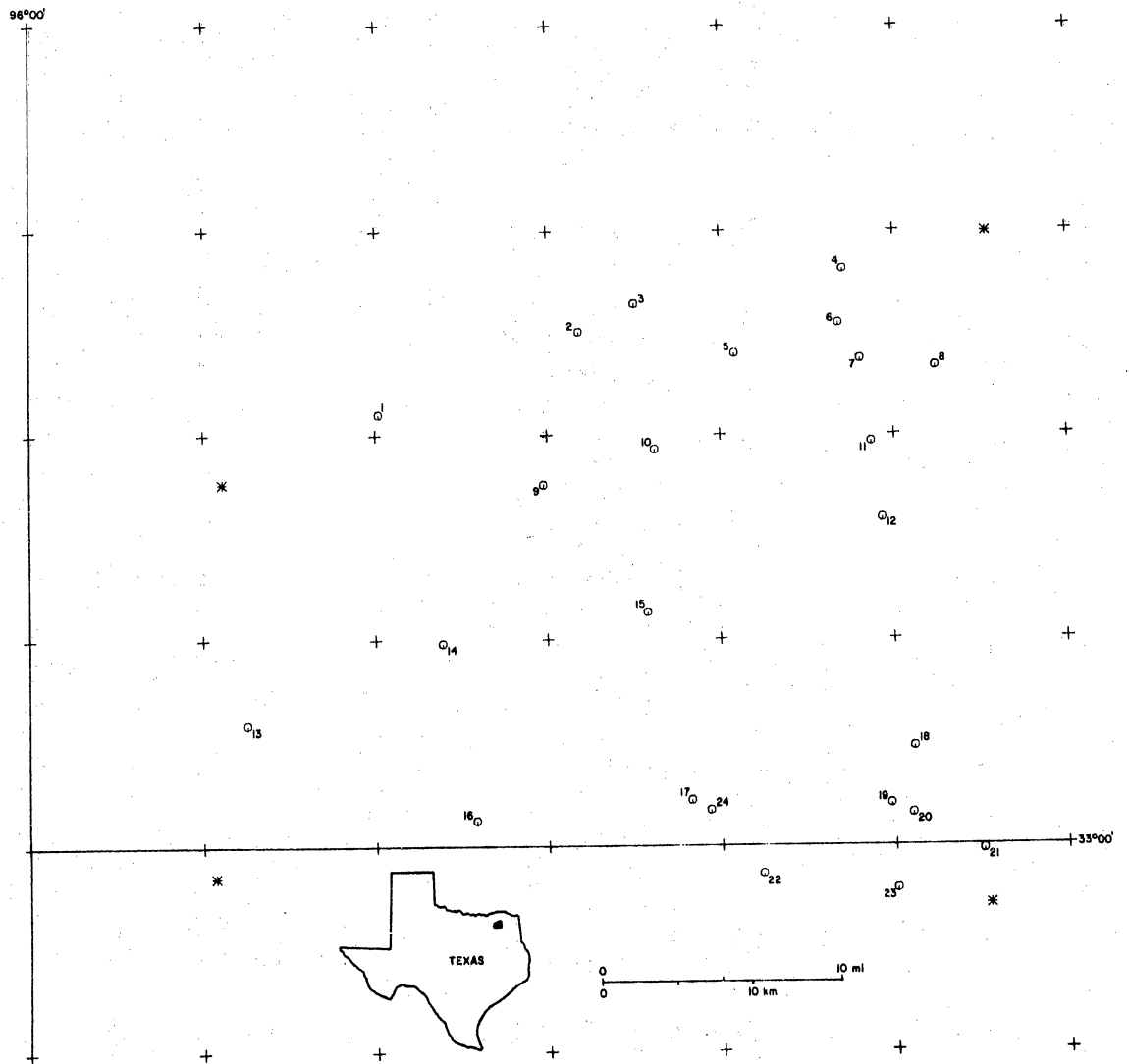
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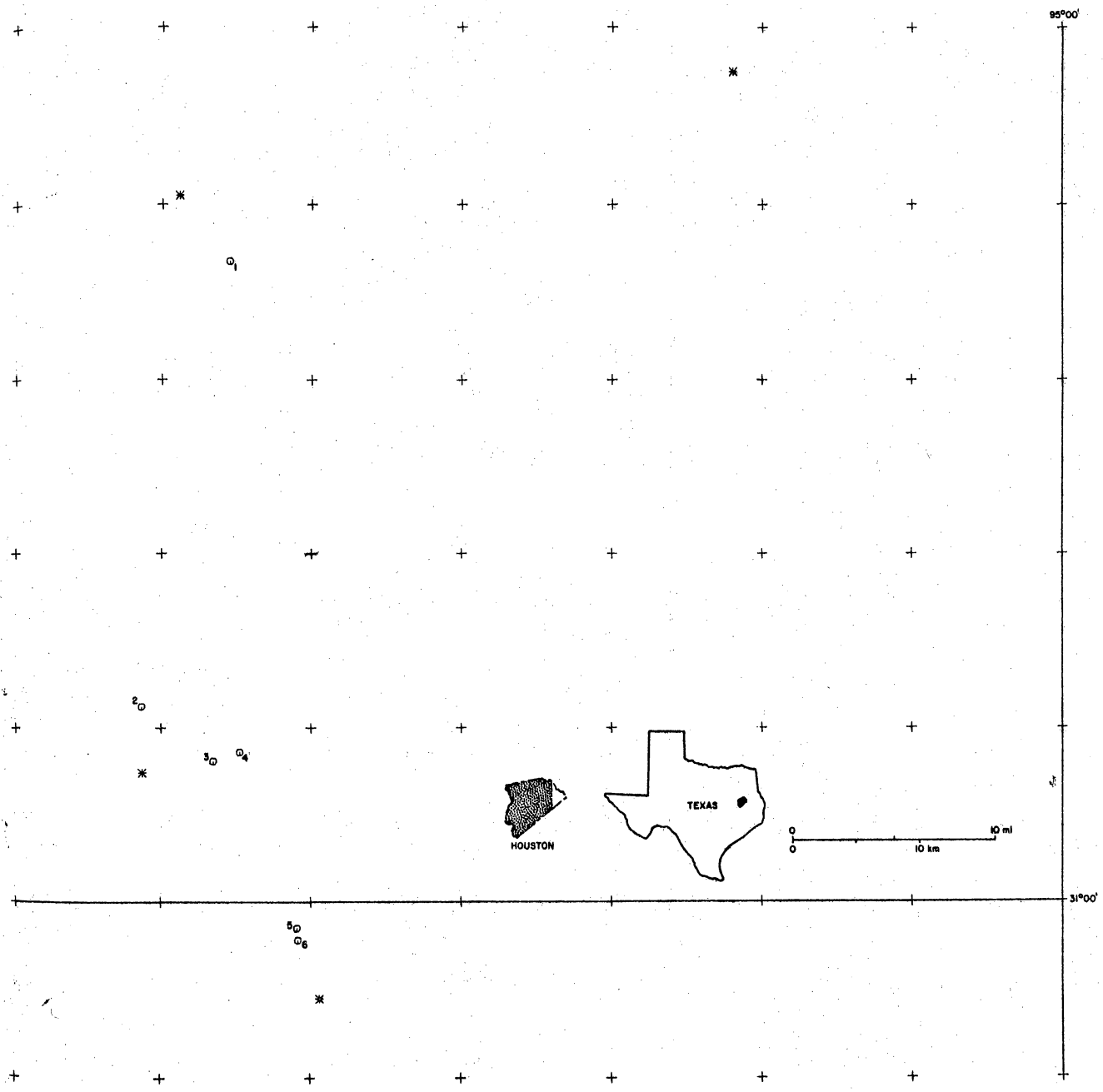


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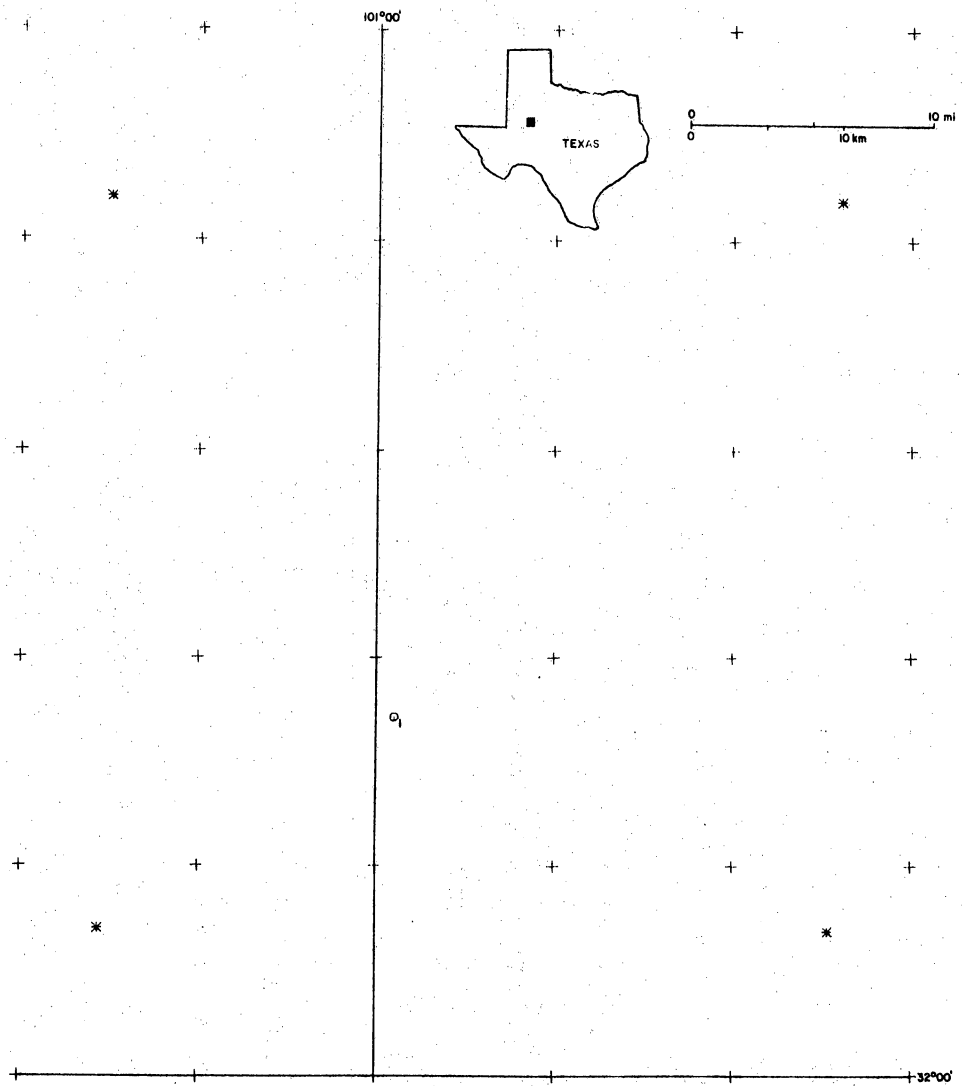
HOPKINS



HOUSTON

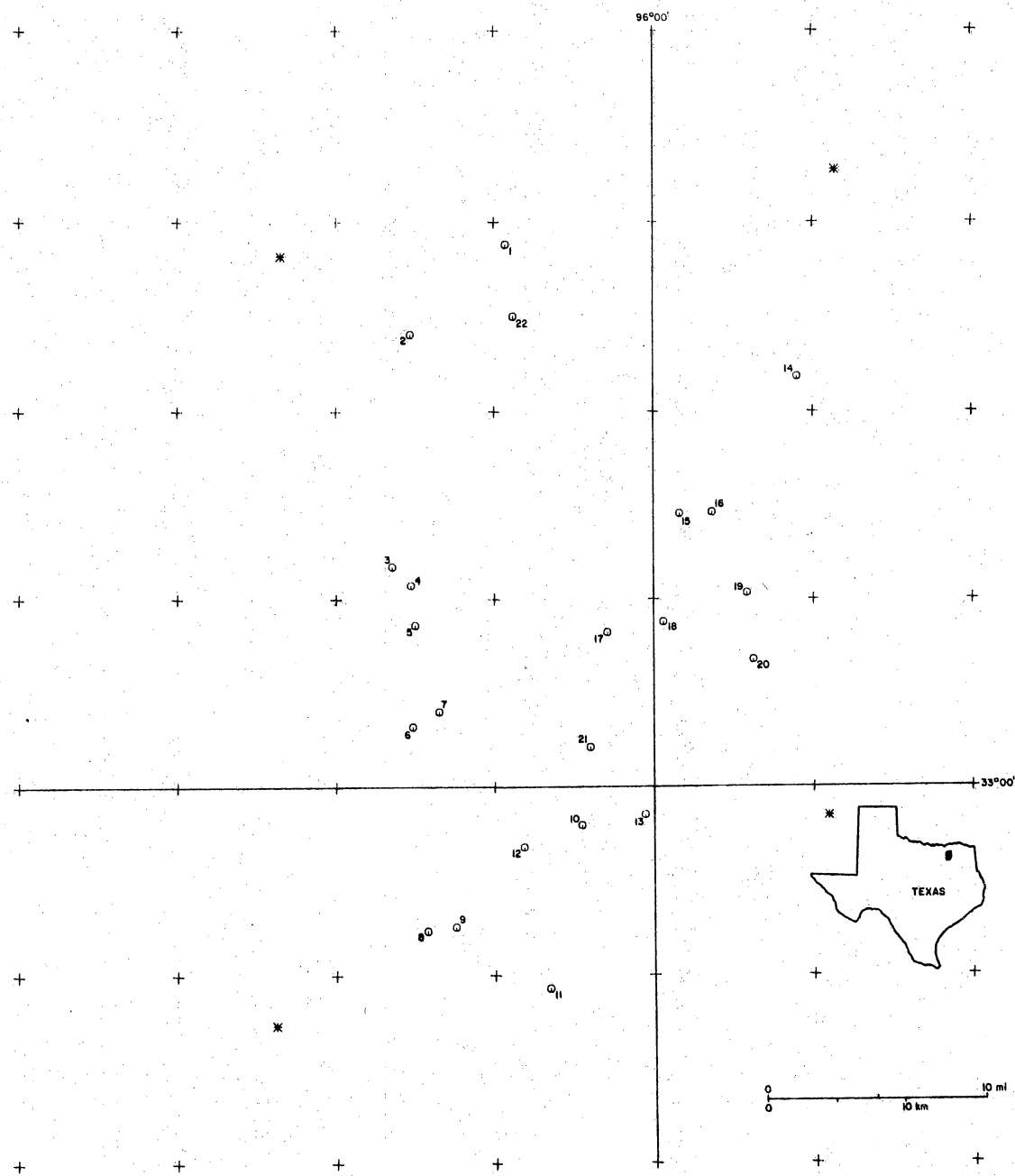


HOWARD

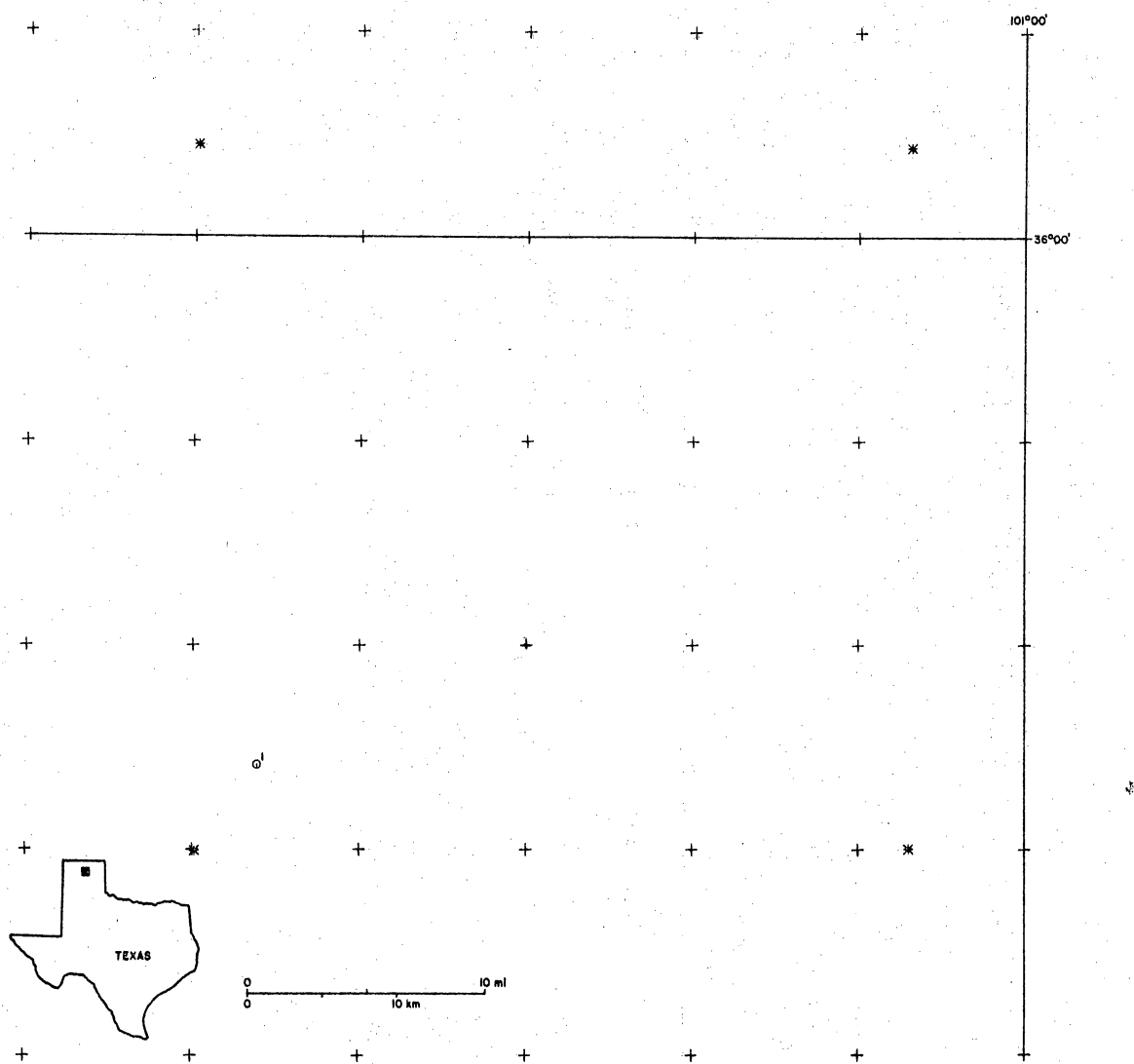




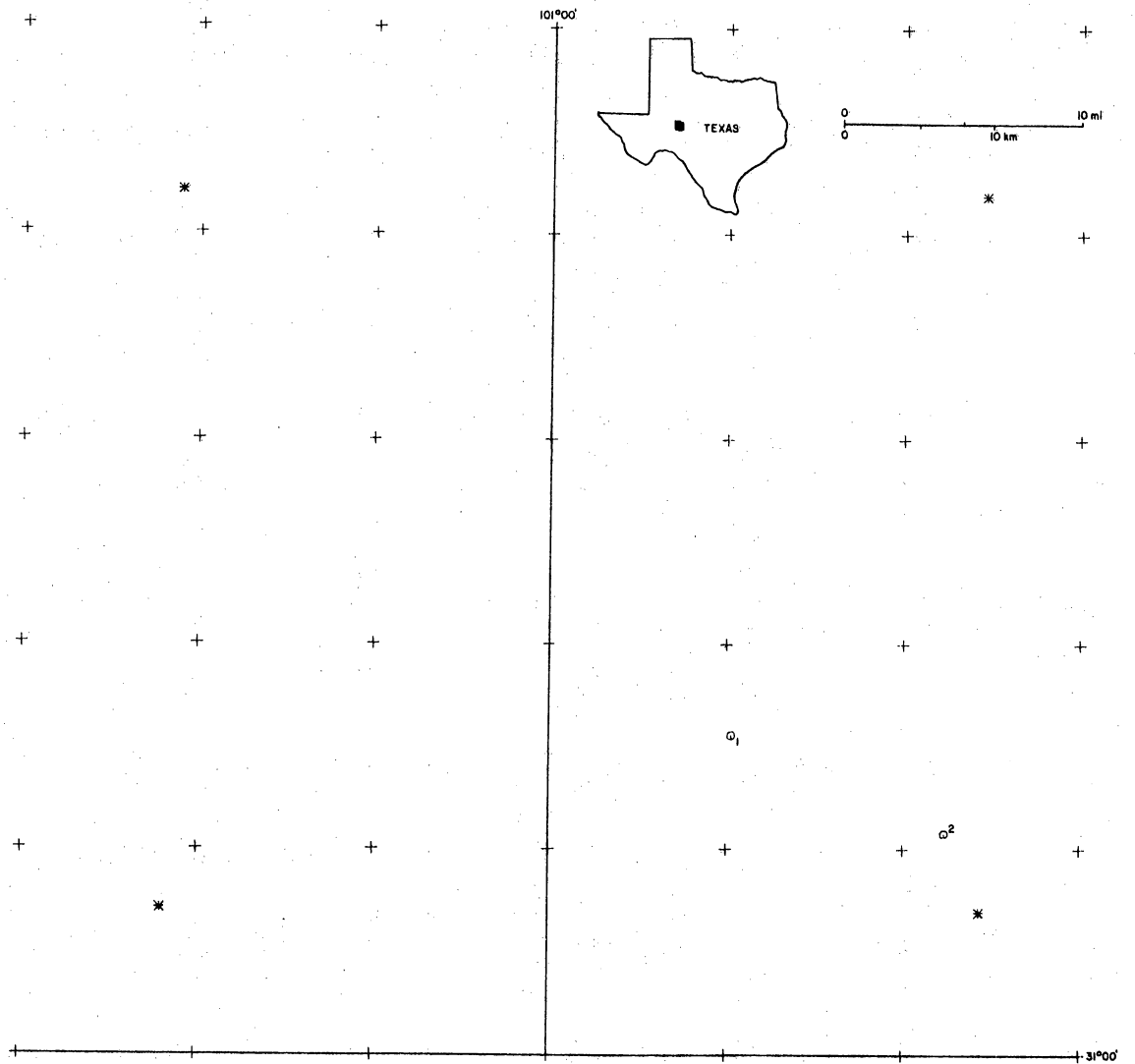
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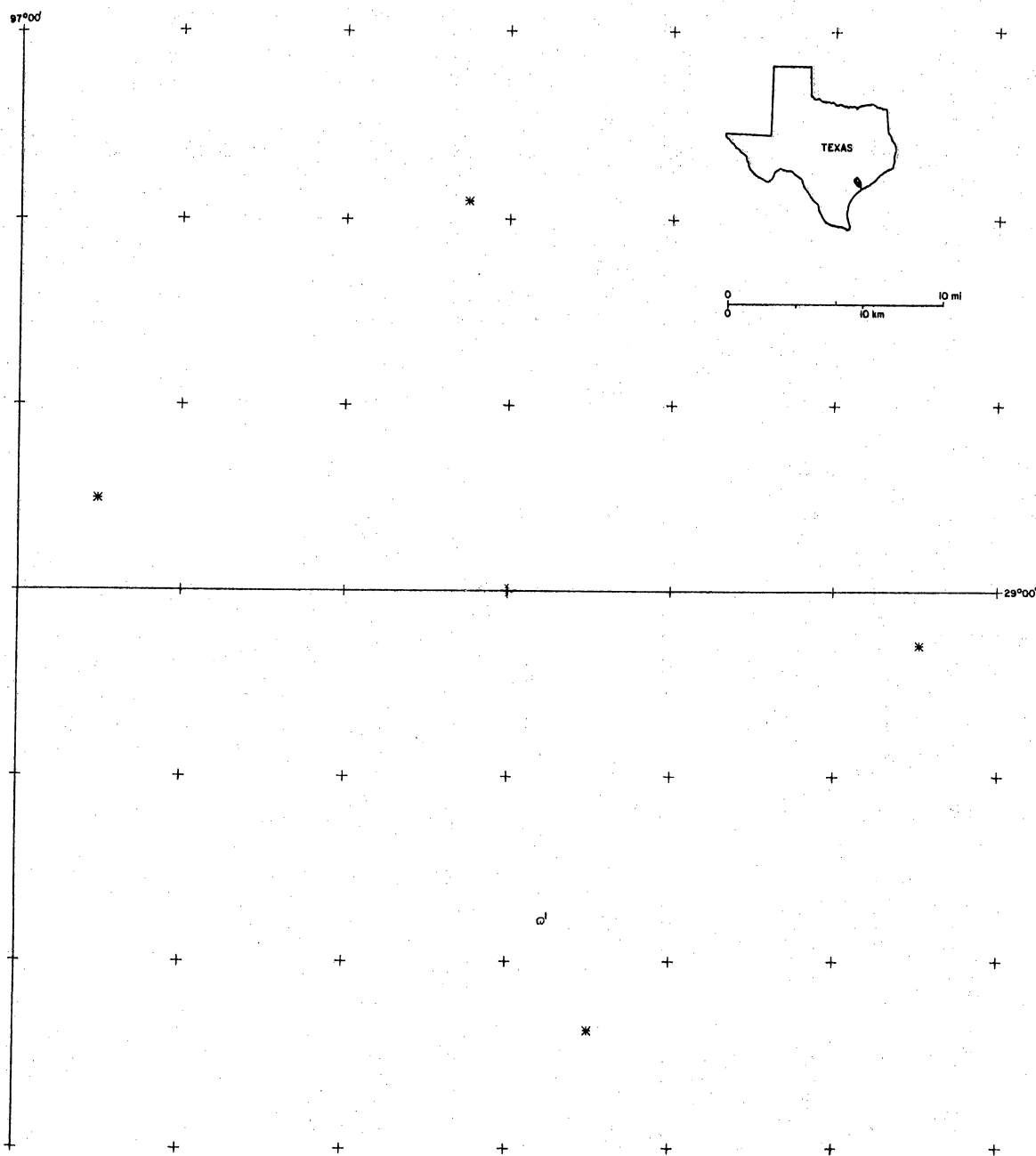
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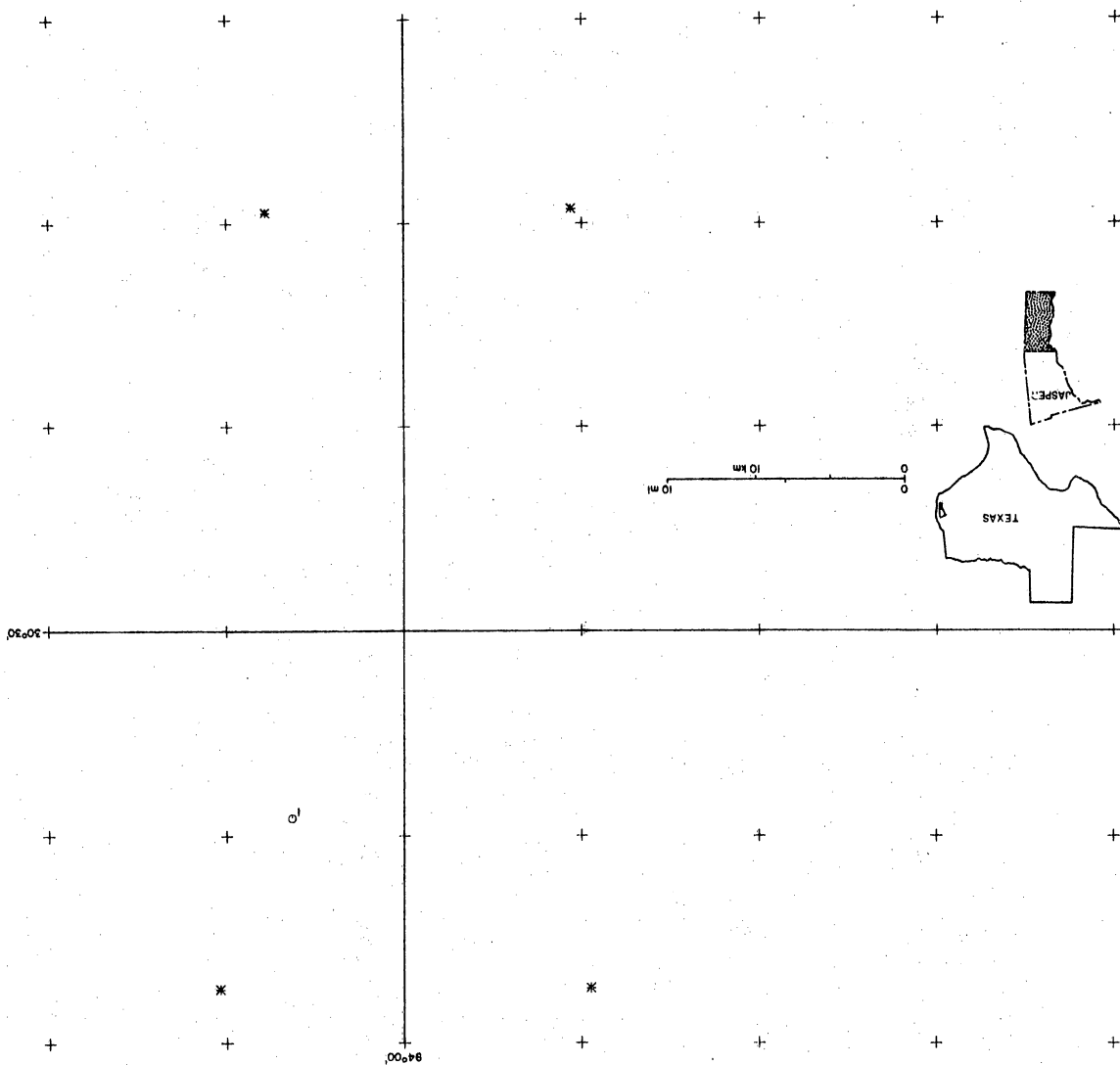


IRION



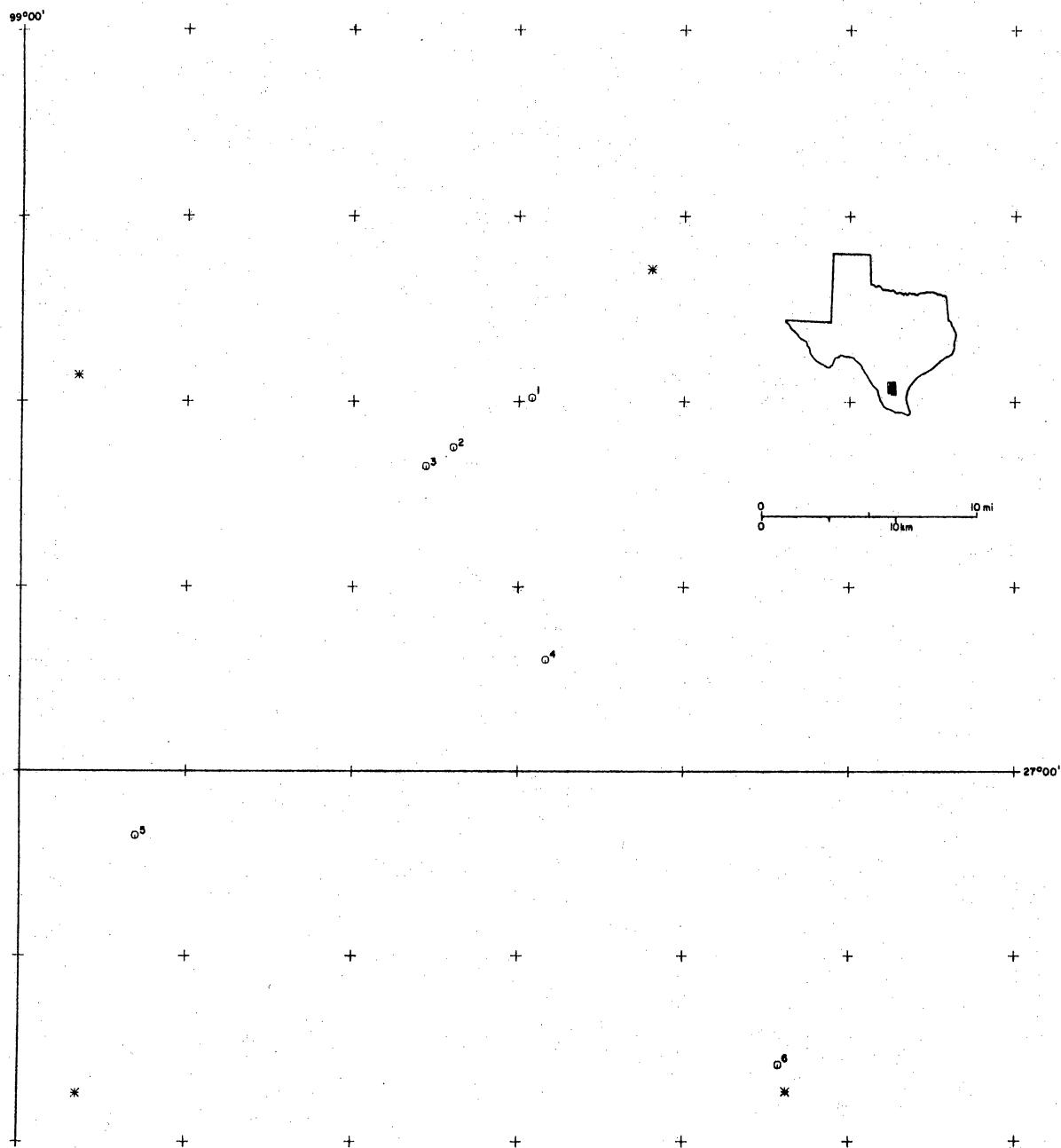
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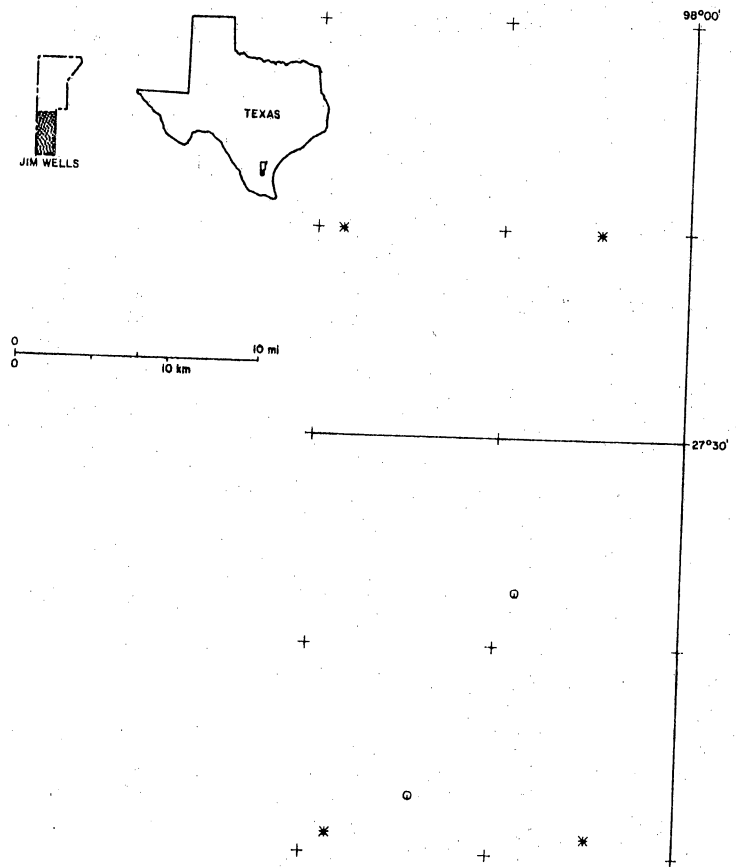


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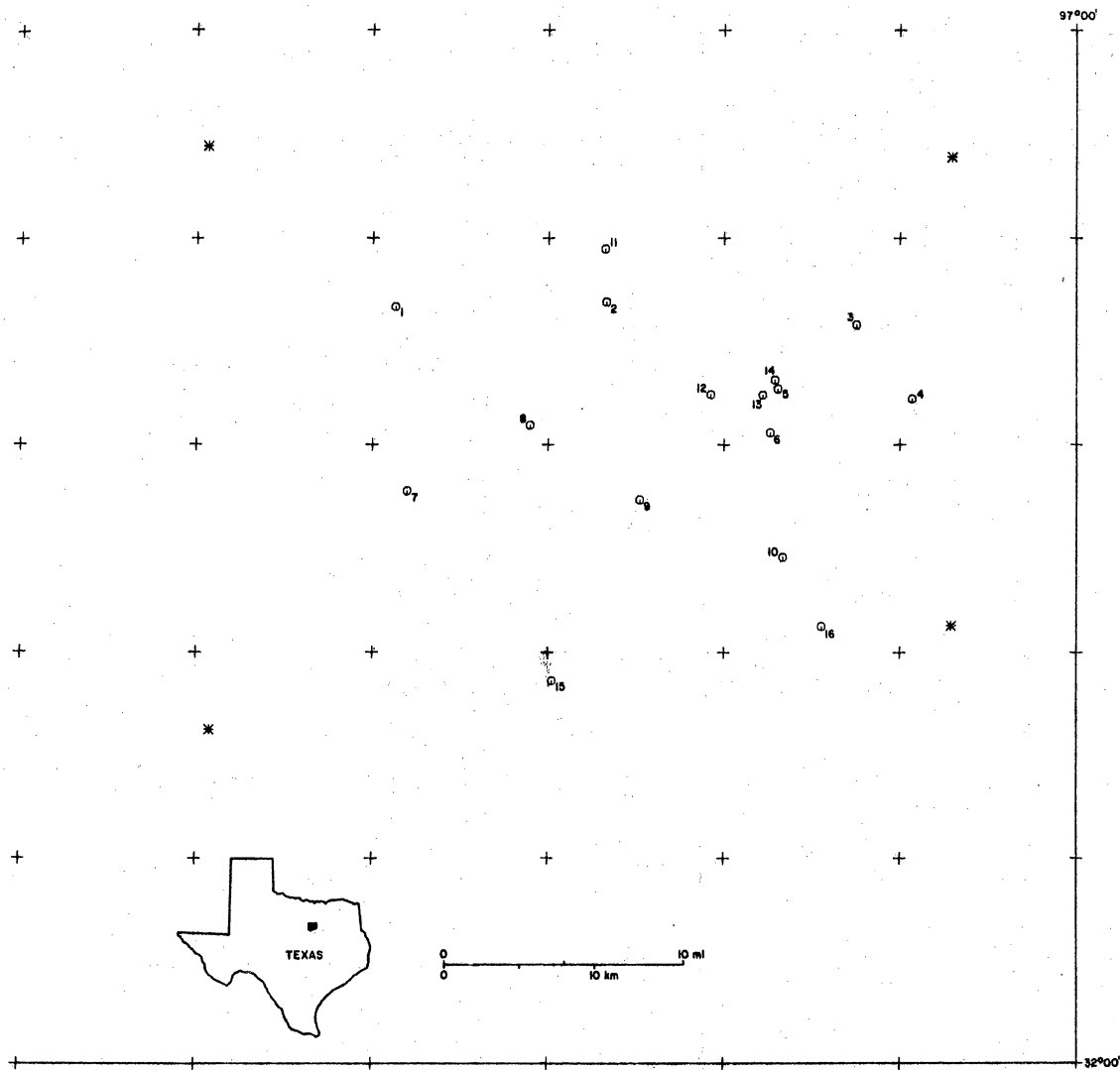
JIM HOGG



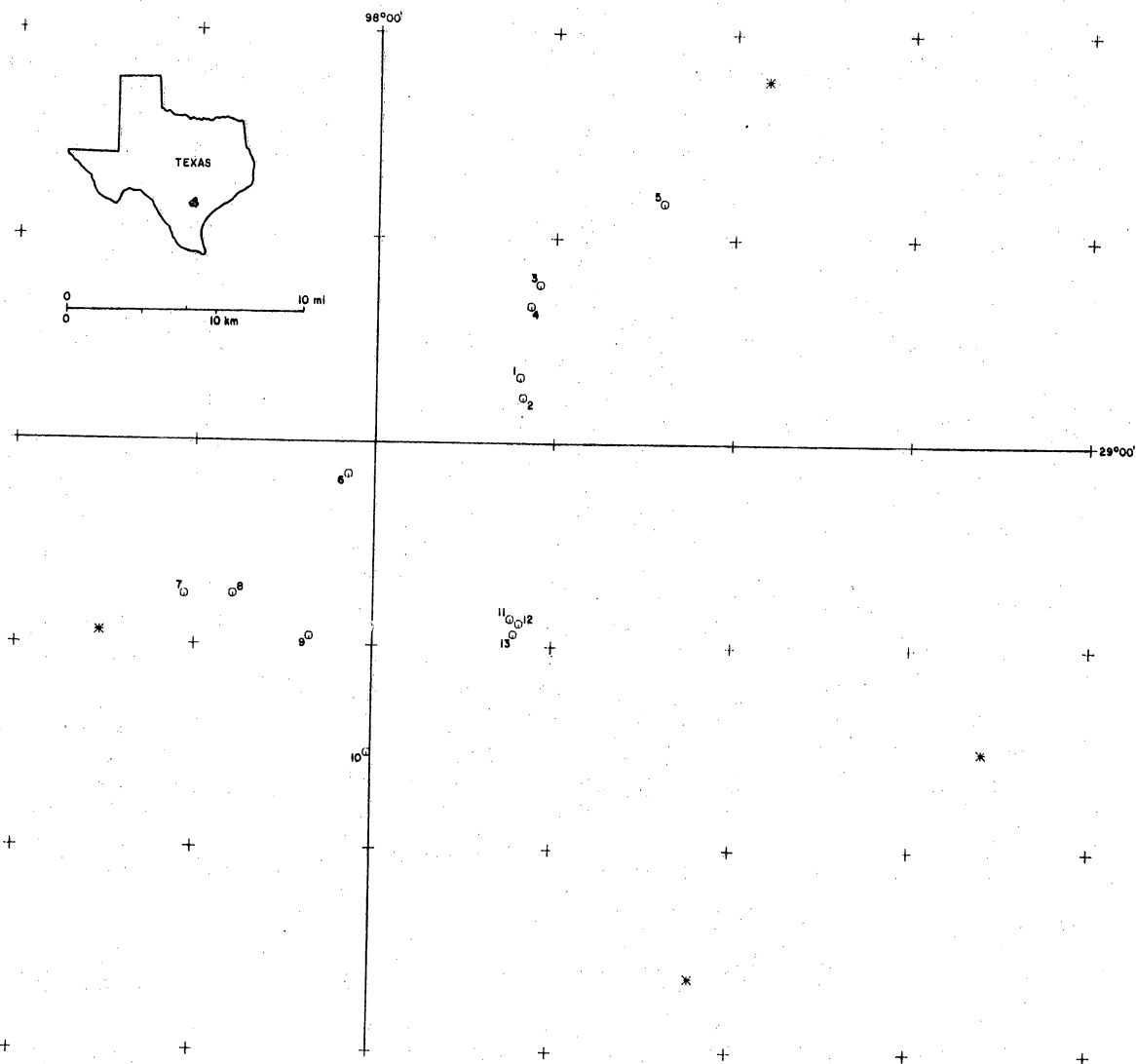
JIM WELLS



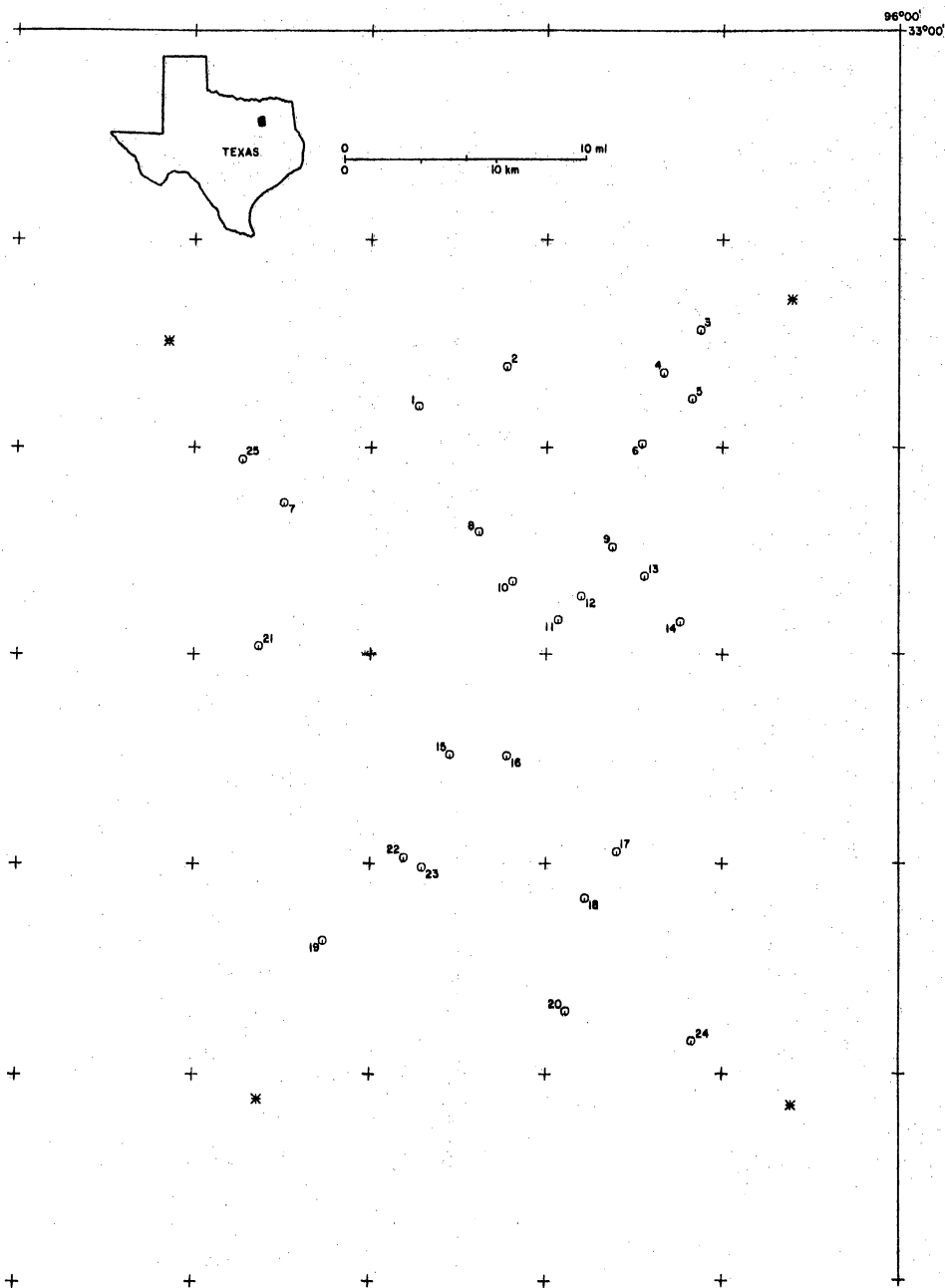
JOHNSON



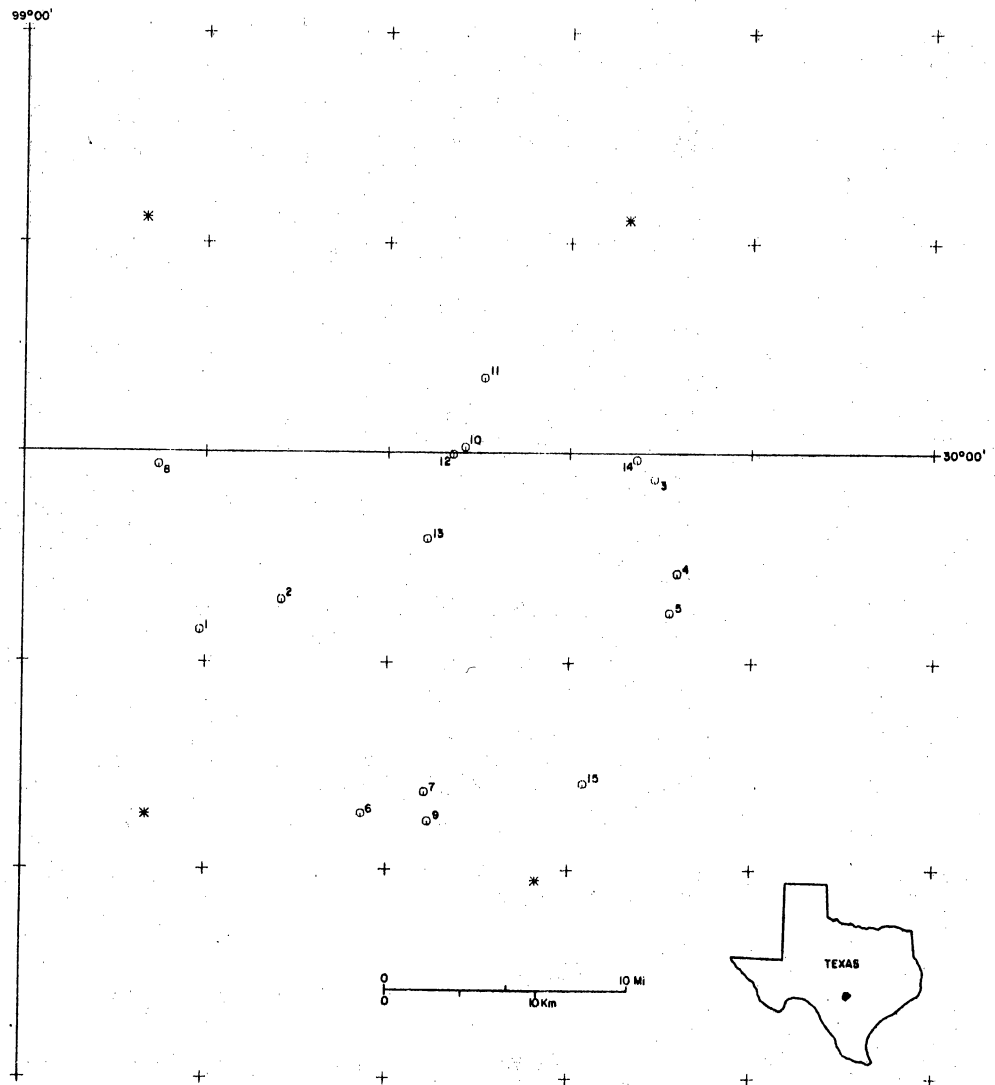
KARNES



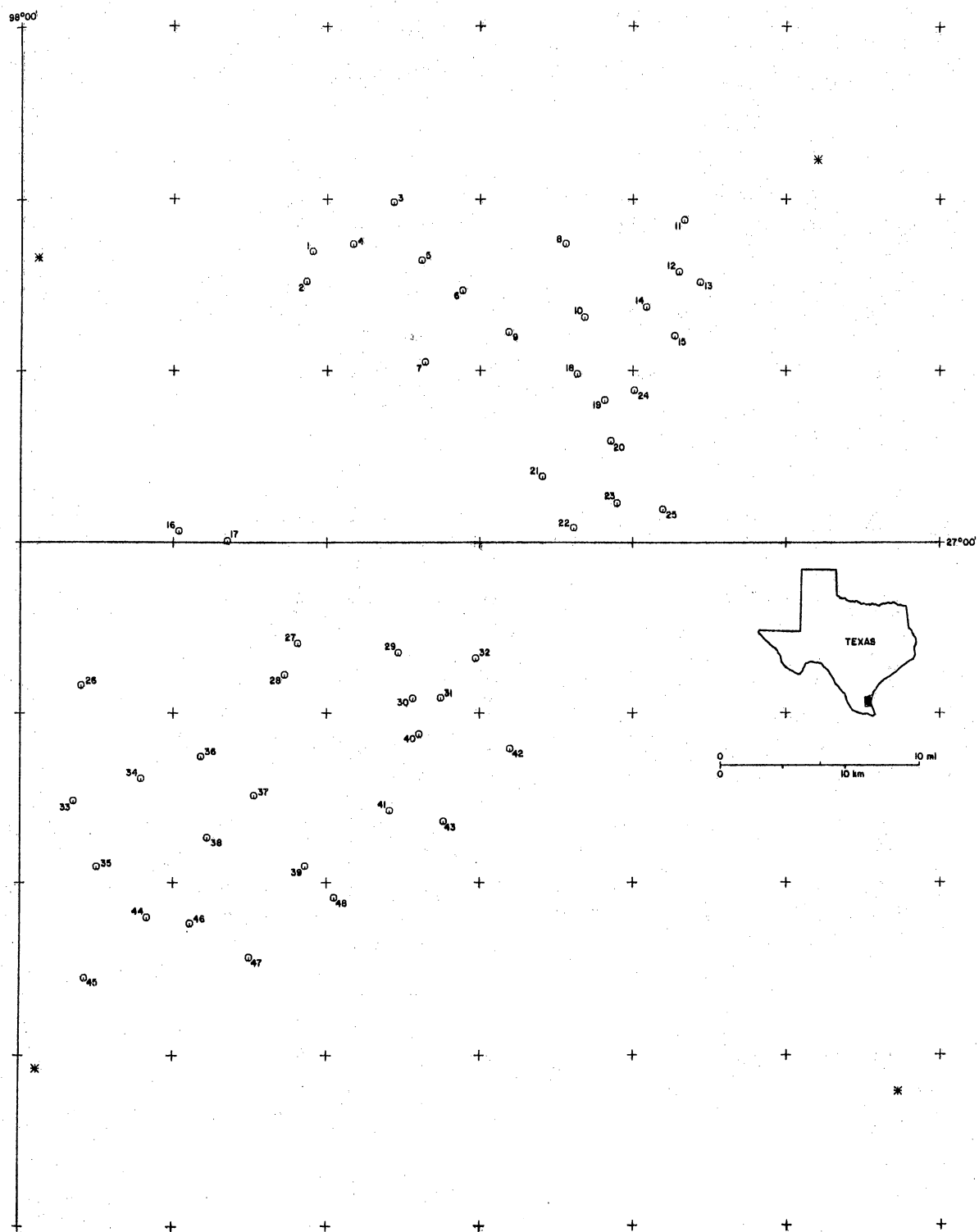
KAUFMAN



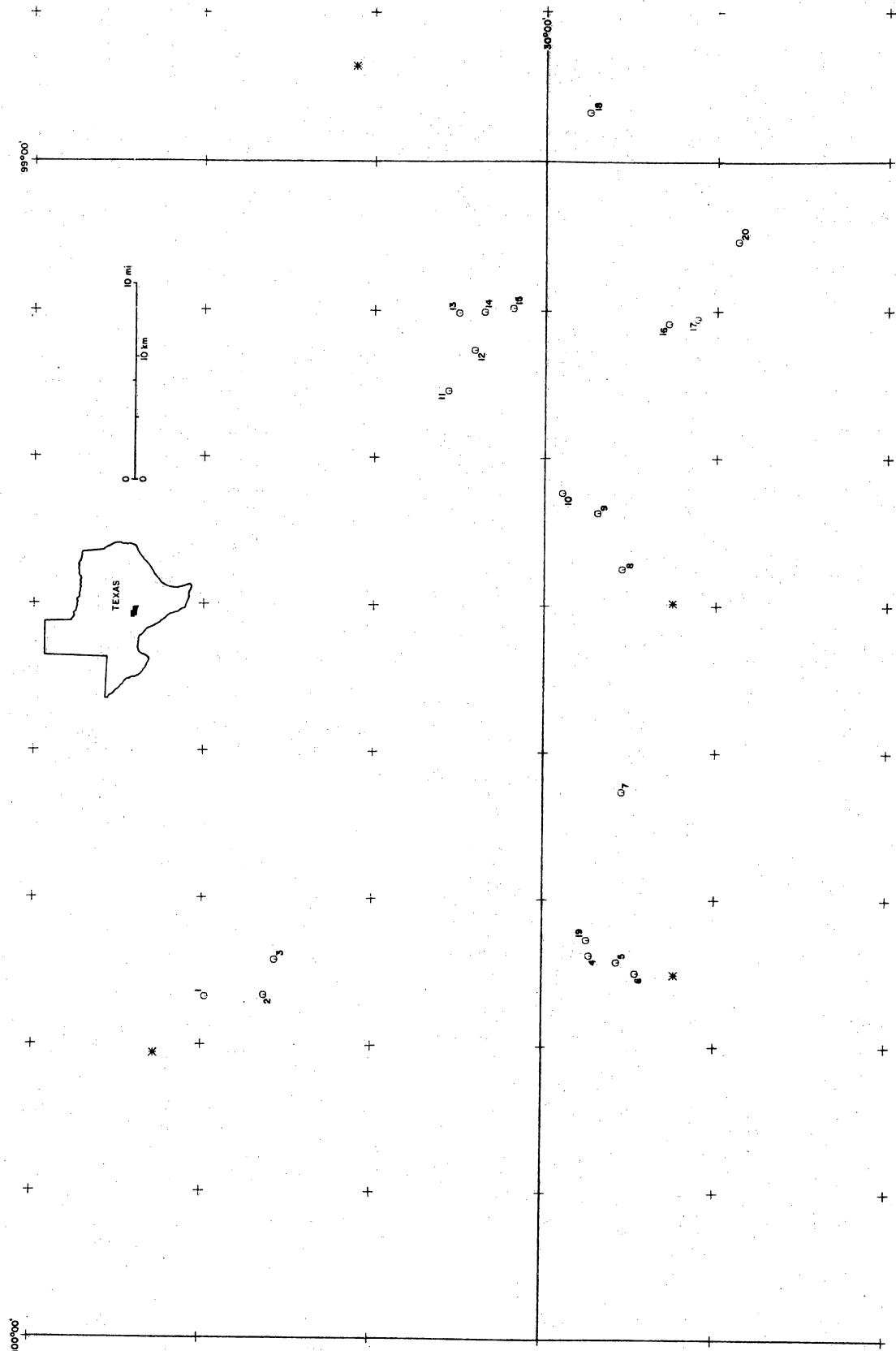
KENDALL



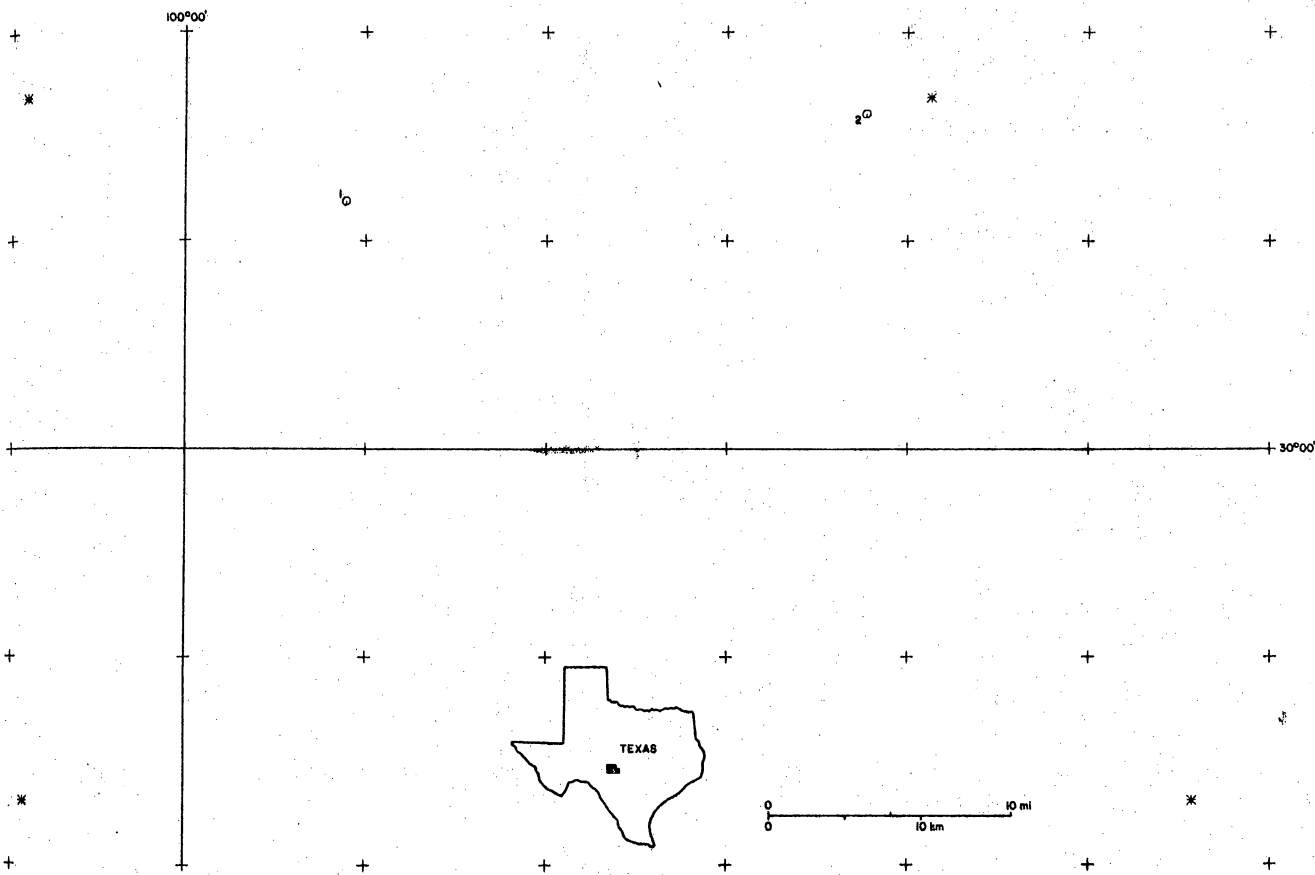
KENEDY



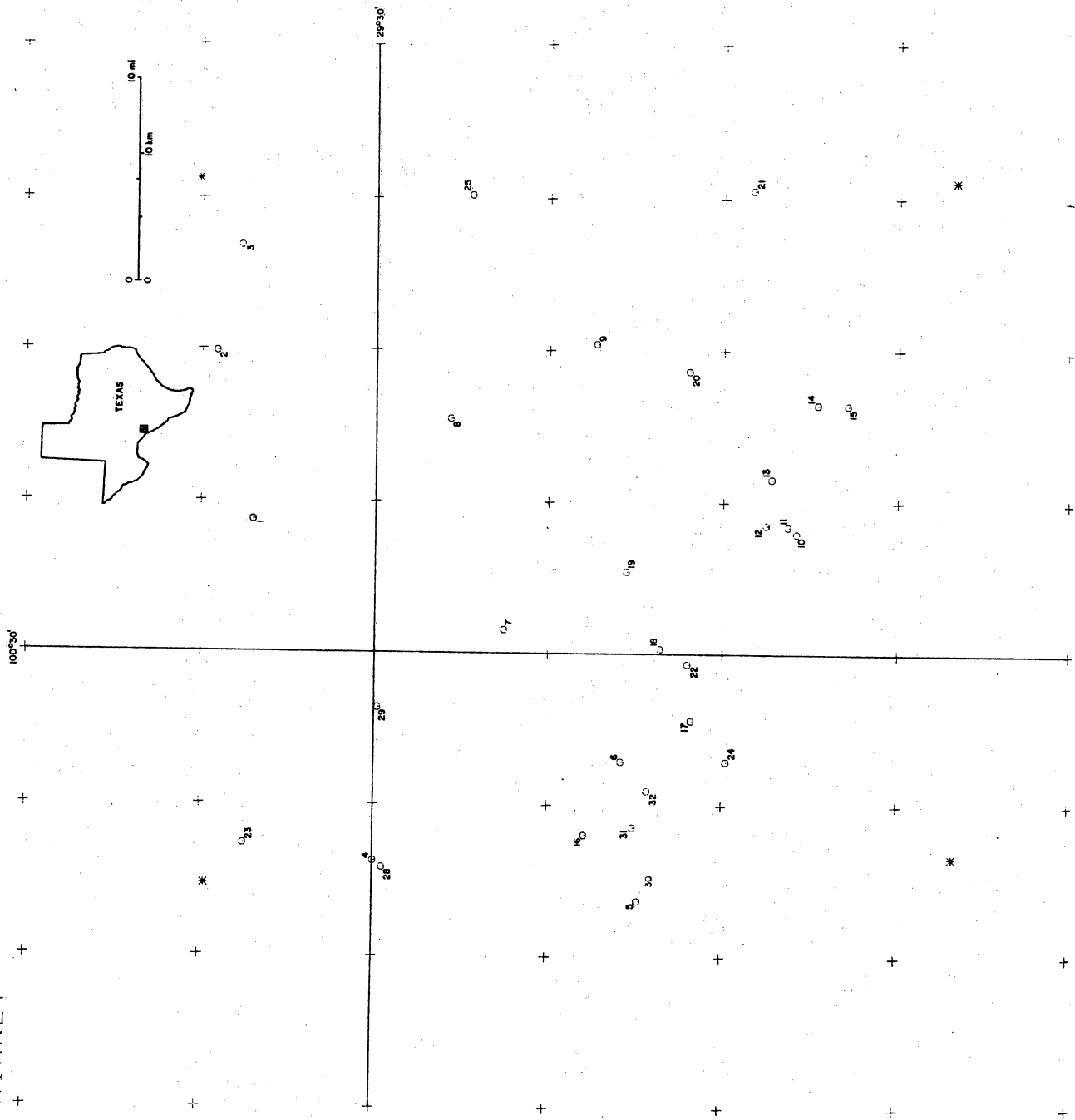
KERR



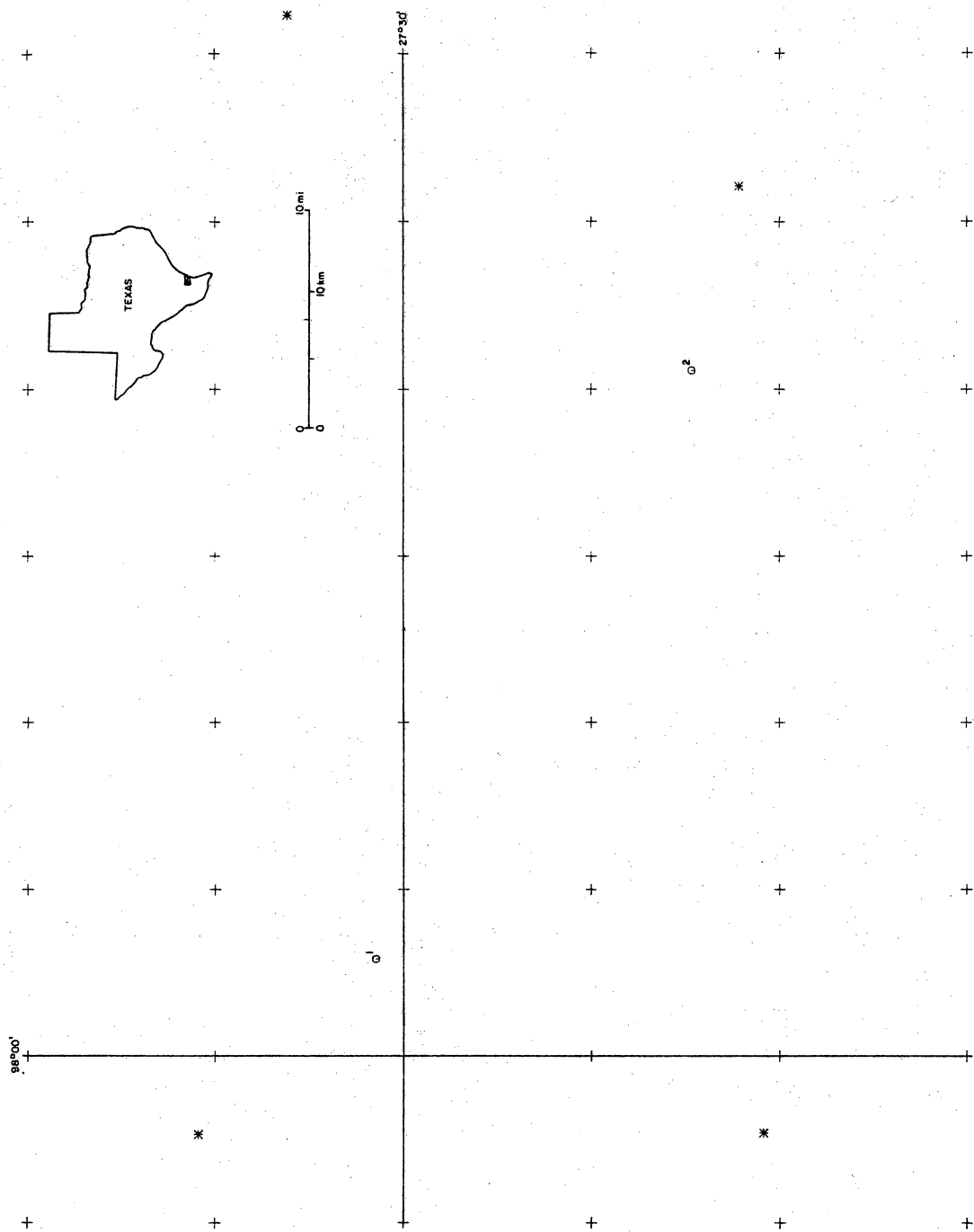
KIMBLE



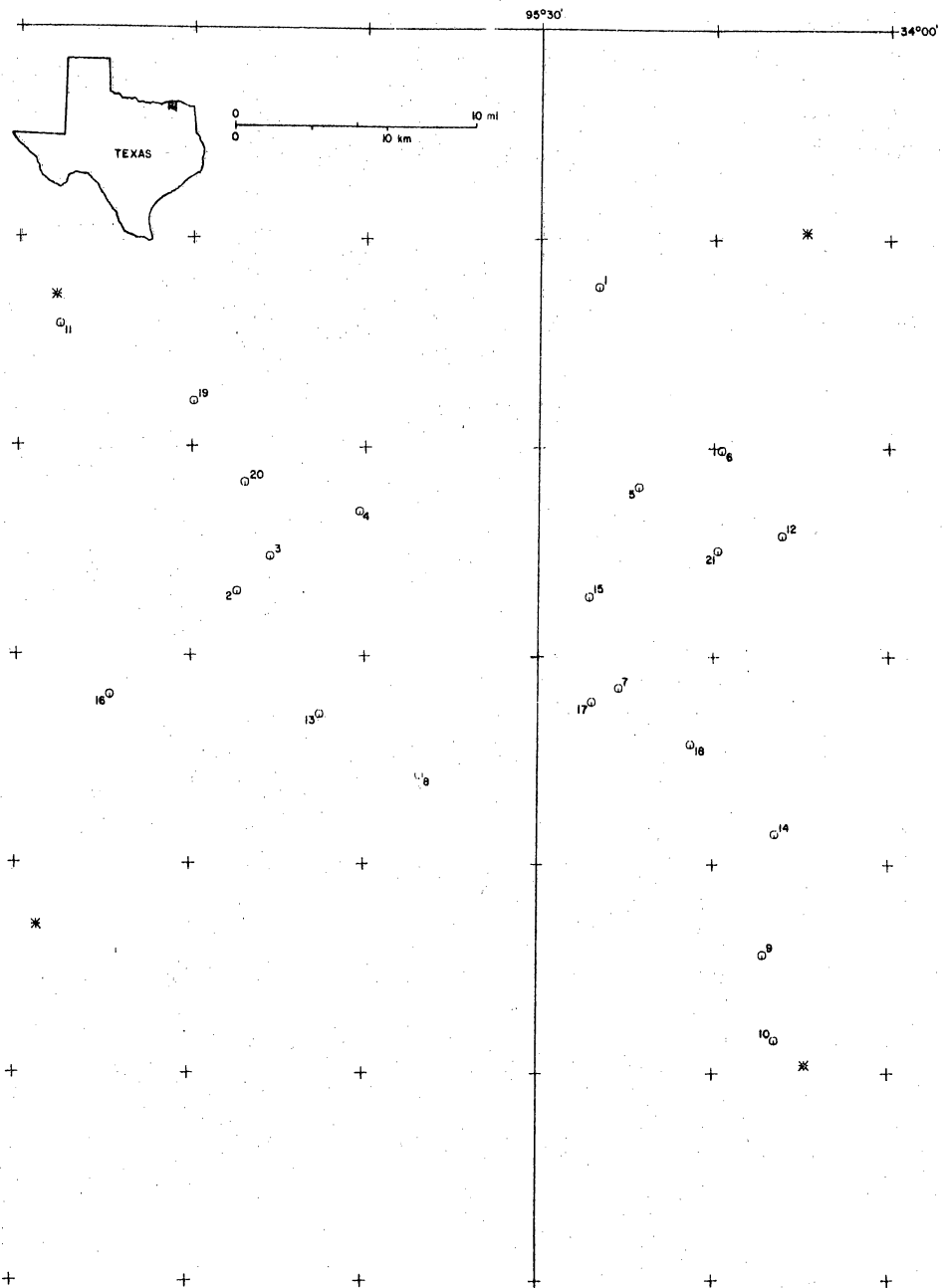
KINNEY

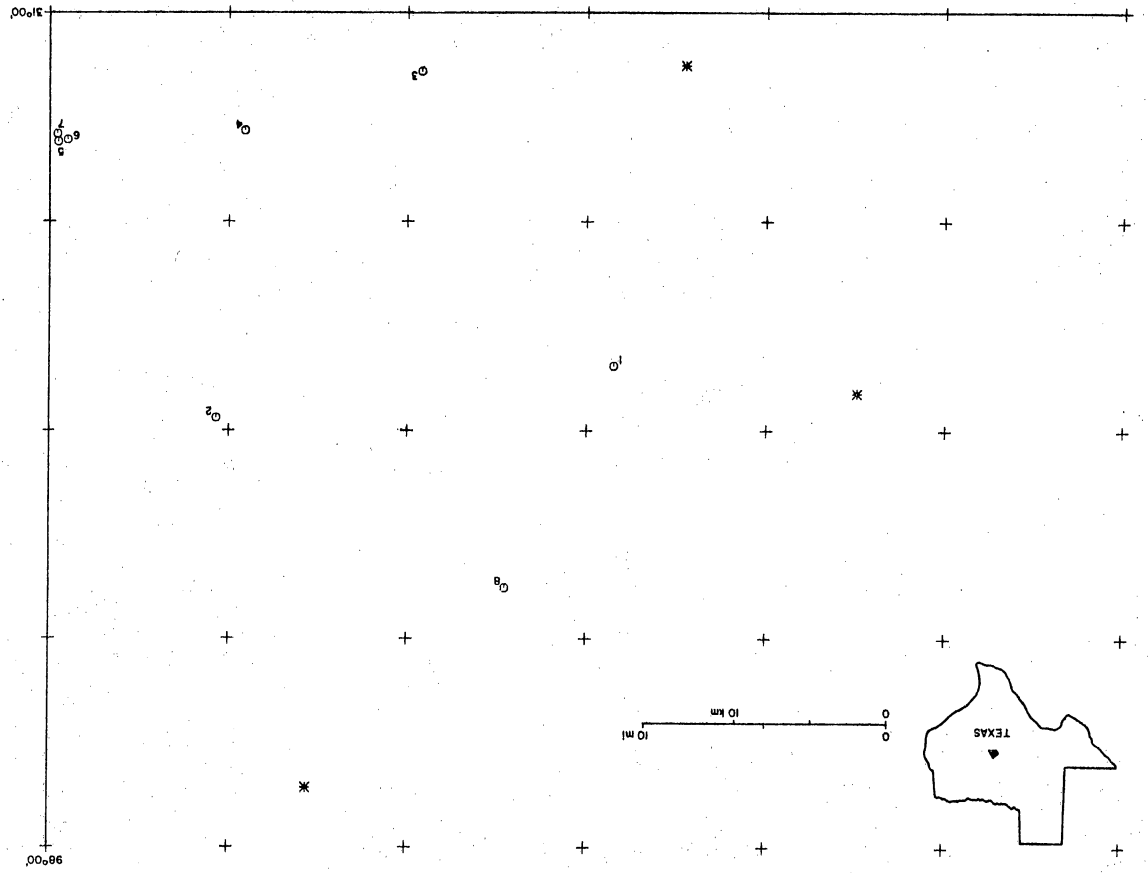


KLEBERG



LAMAR



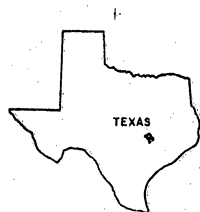


LAMPASAS

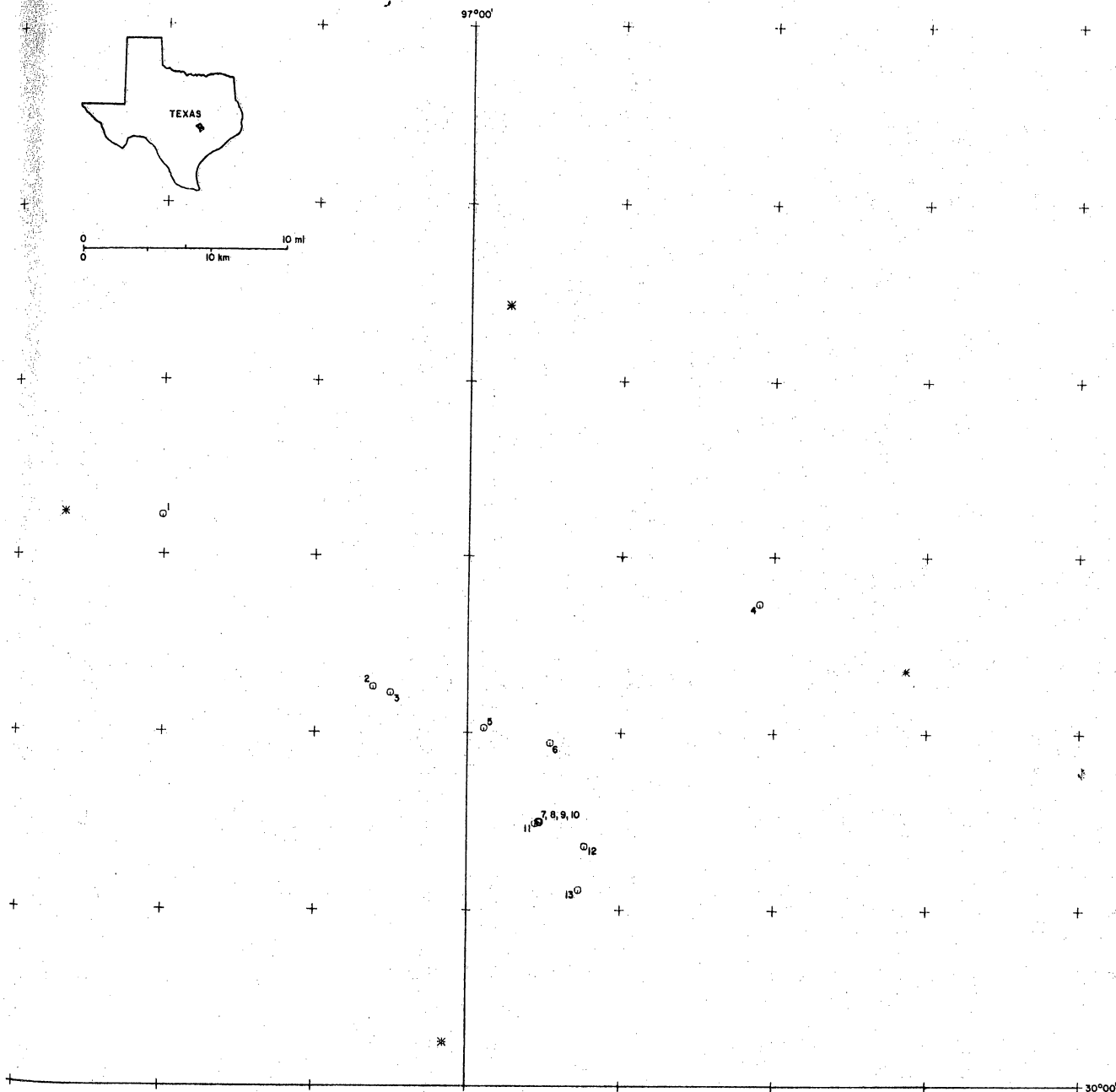
LA SALLE



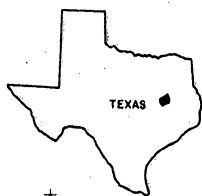
LEE



0 10 mi
0 10 km

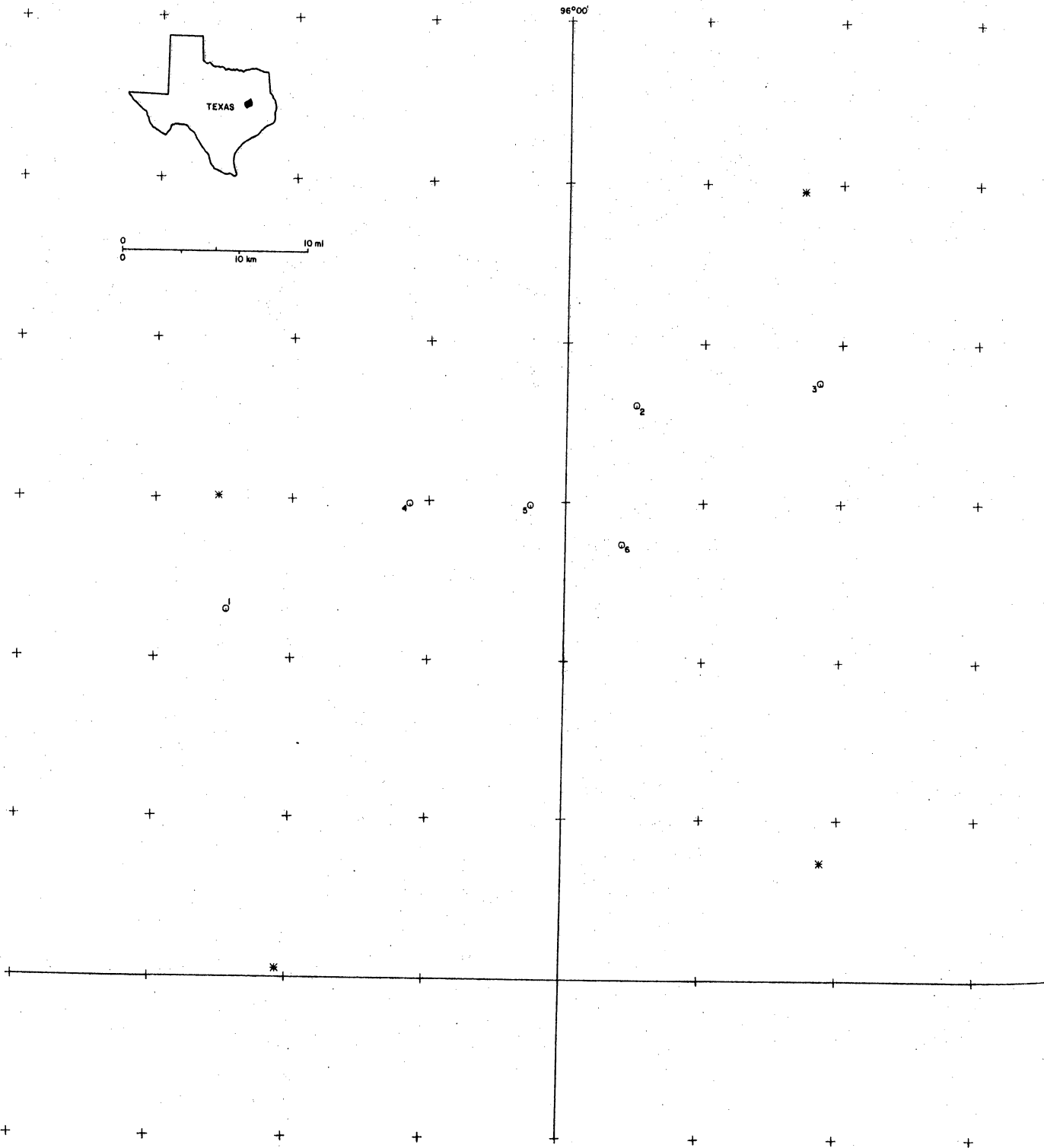


LEON

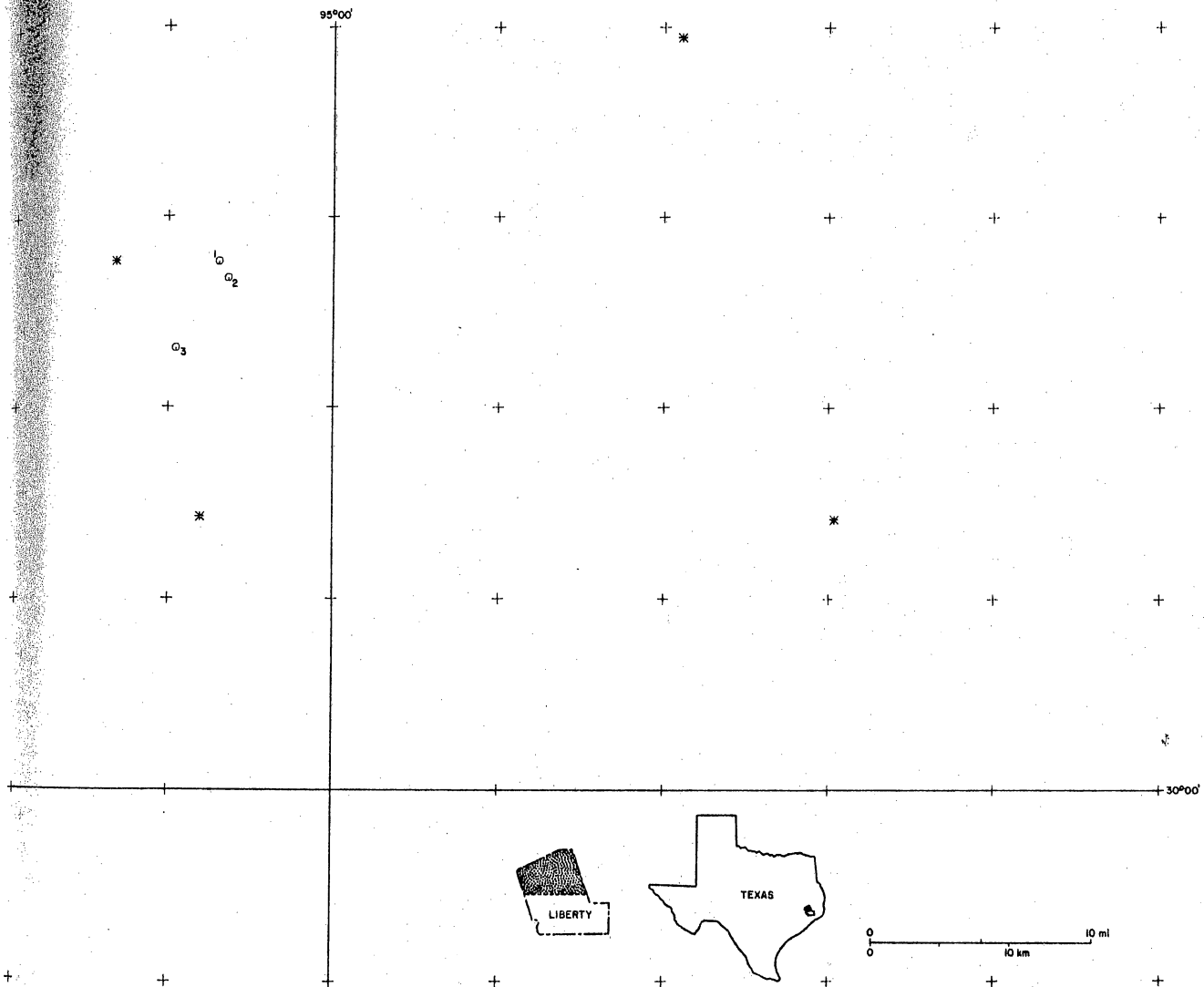


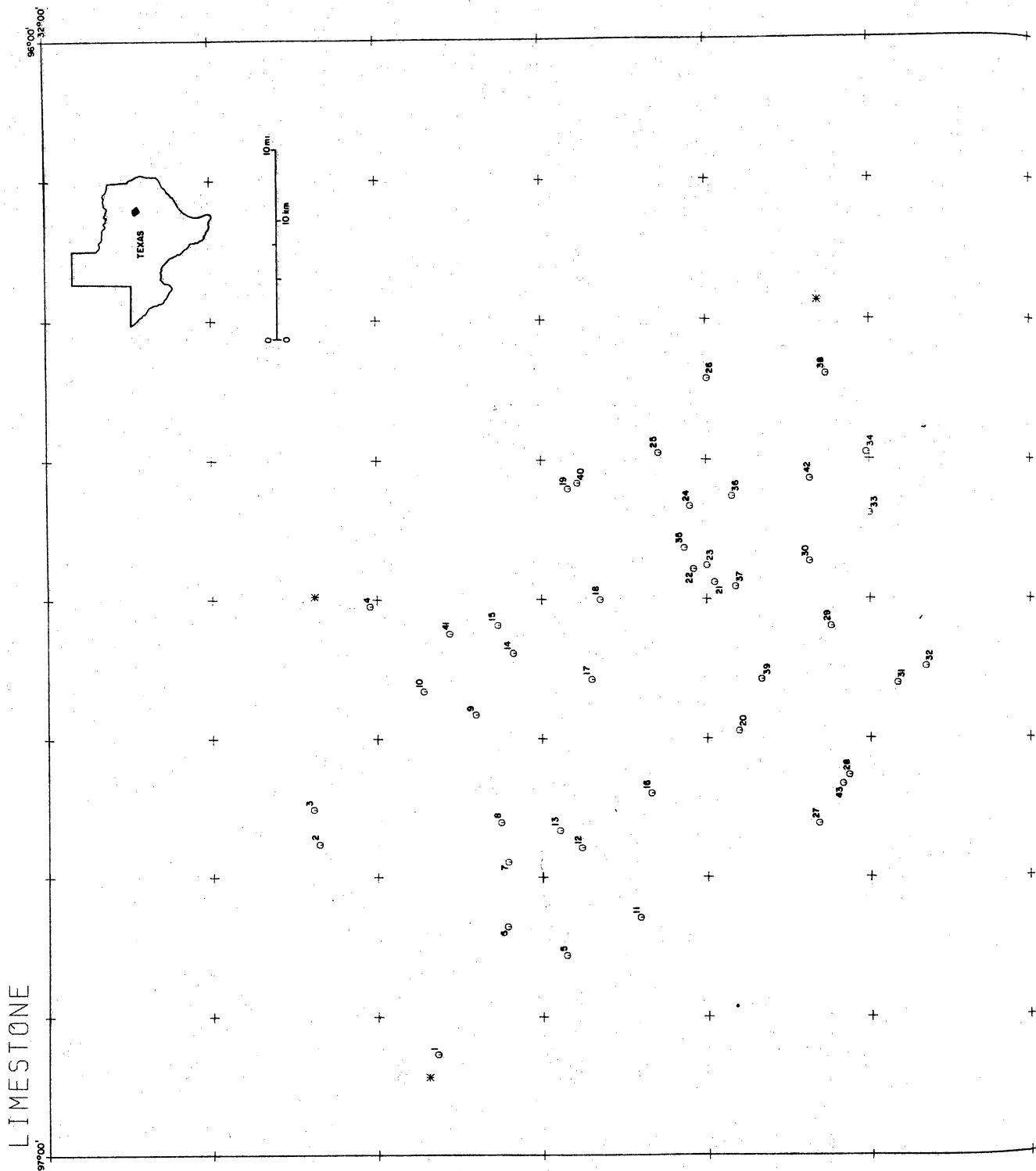
0 10 mi
0 10 km

96°00'

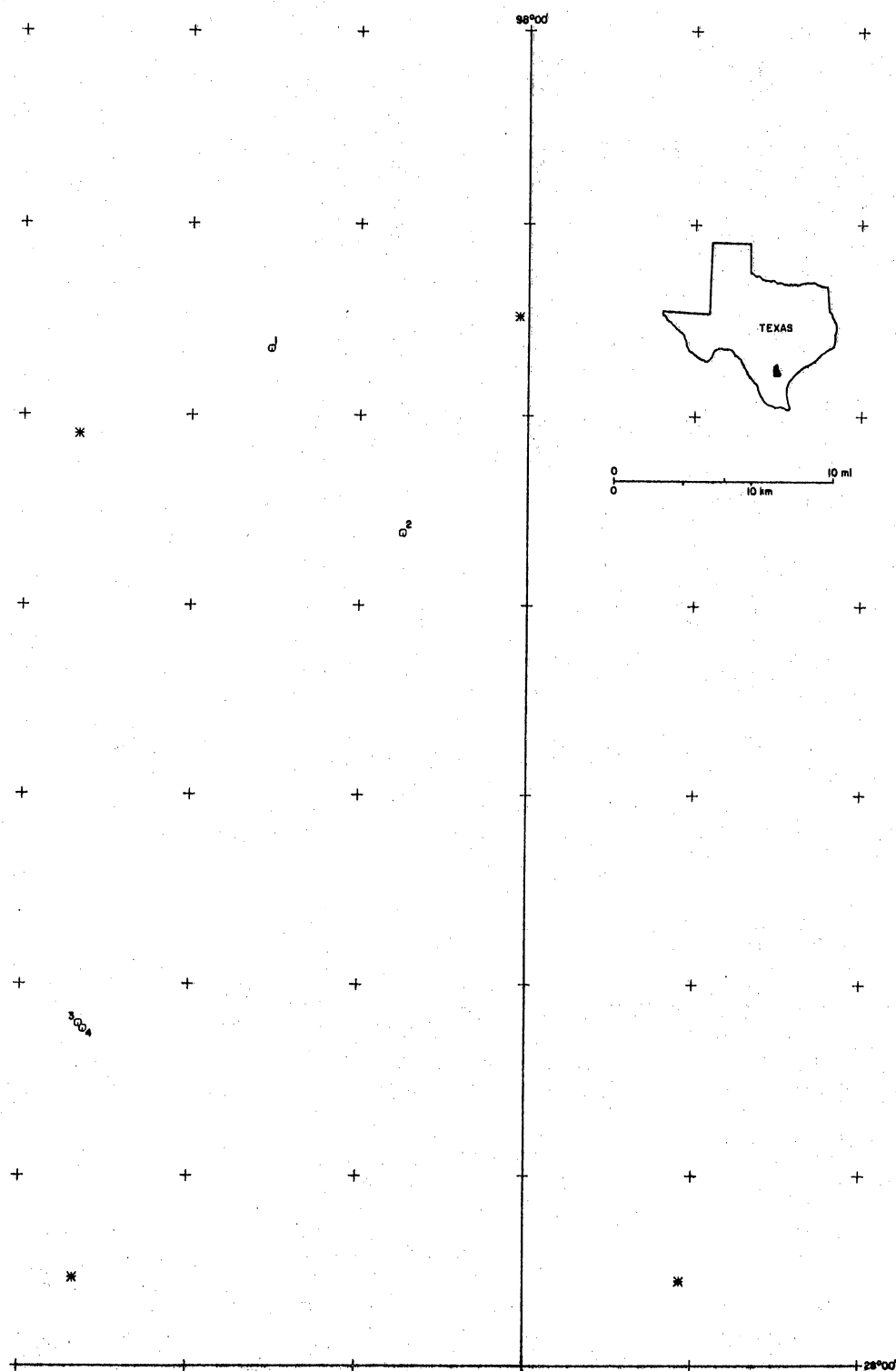


LIBERTY

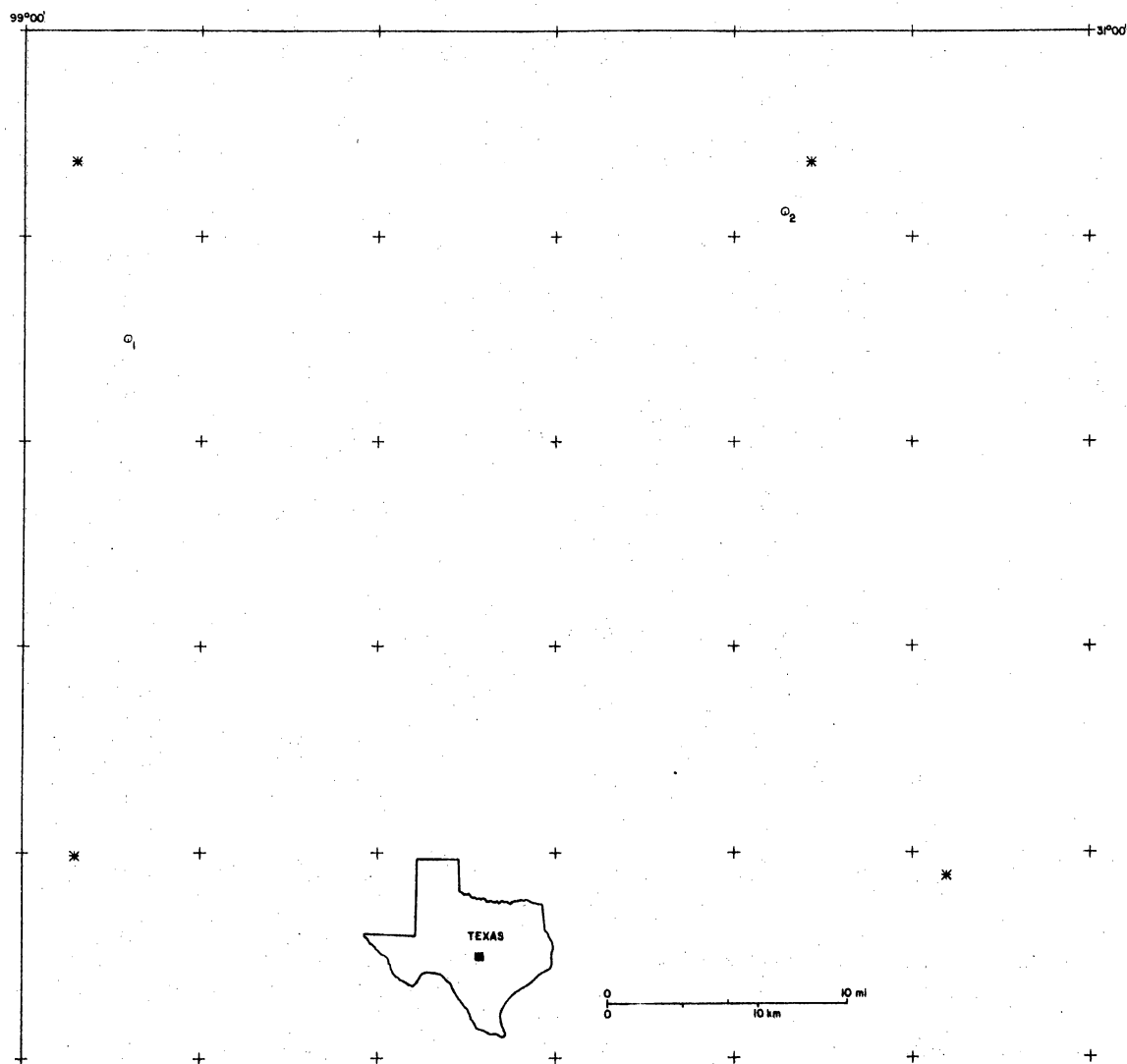




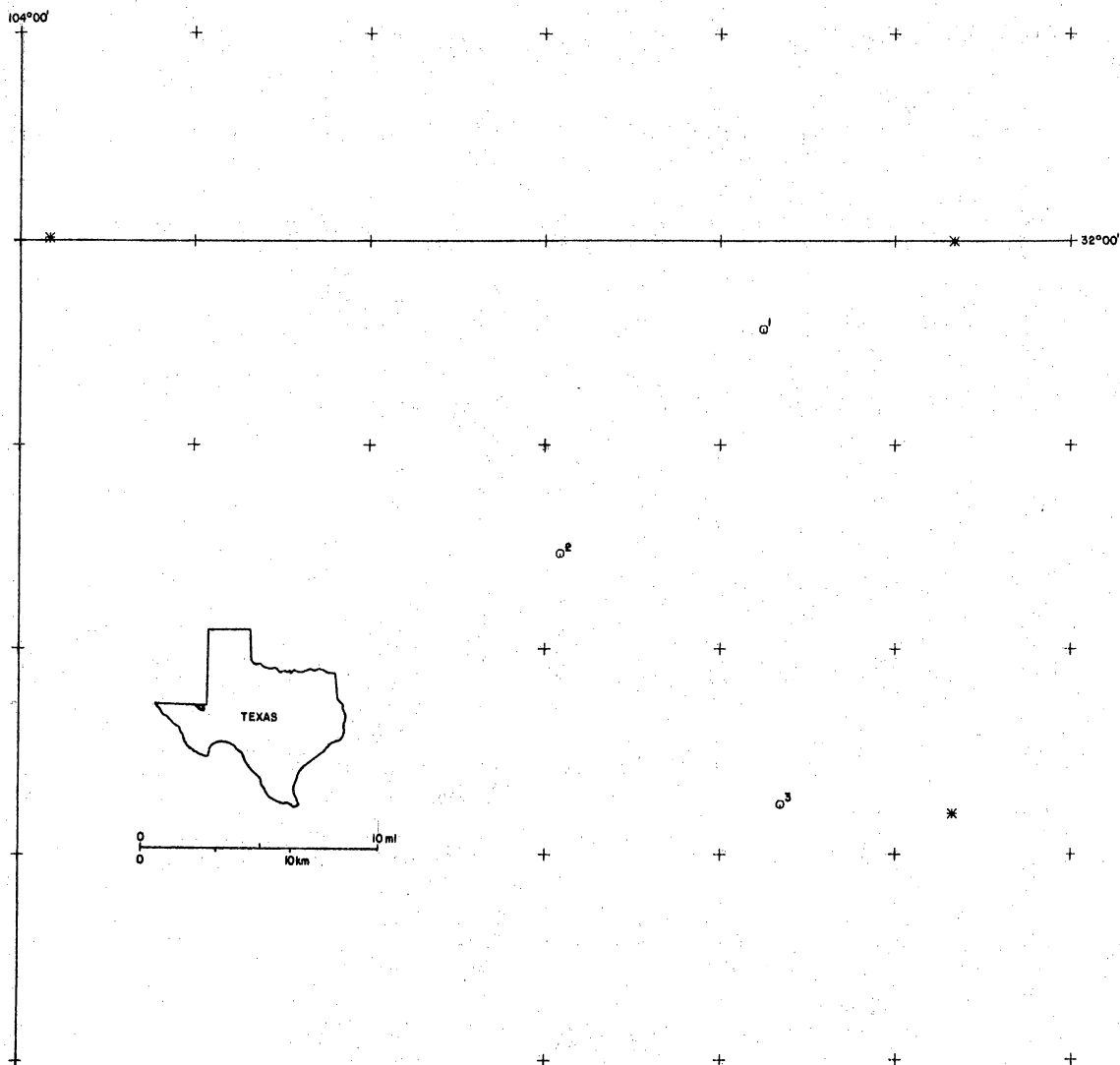
LIVE OAK



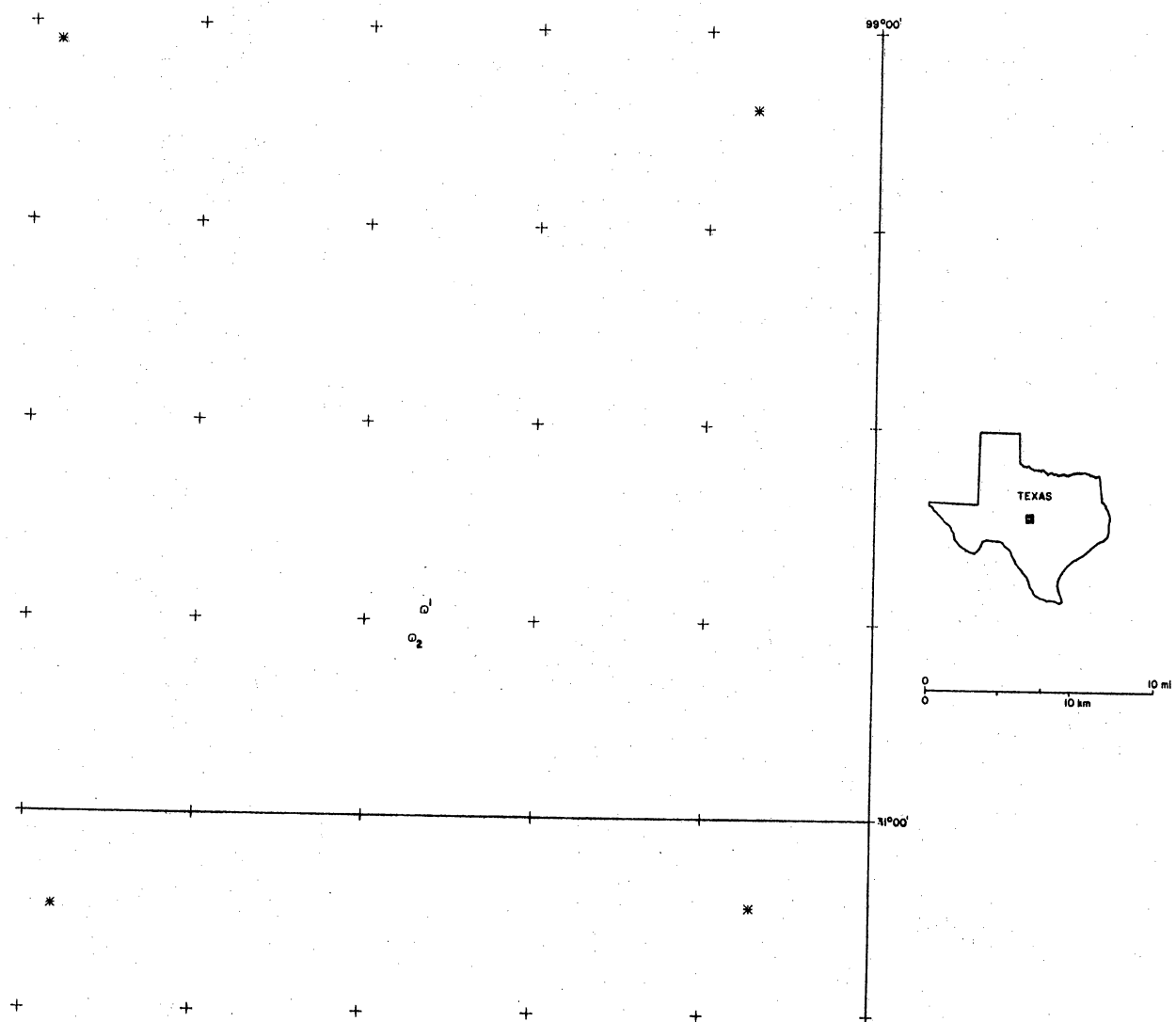
LLANO

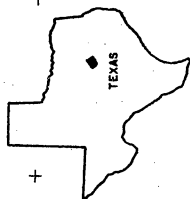


LOVING



MCCULLOCH

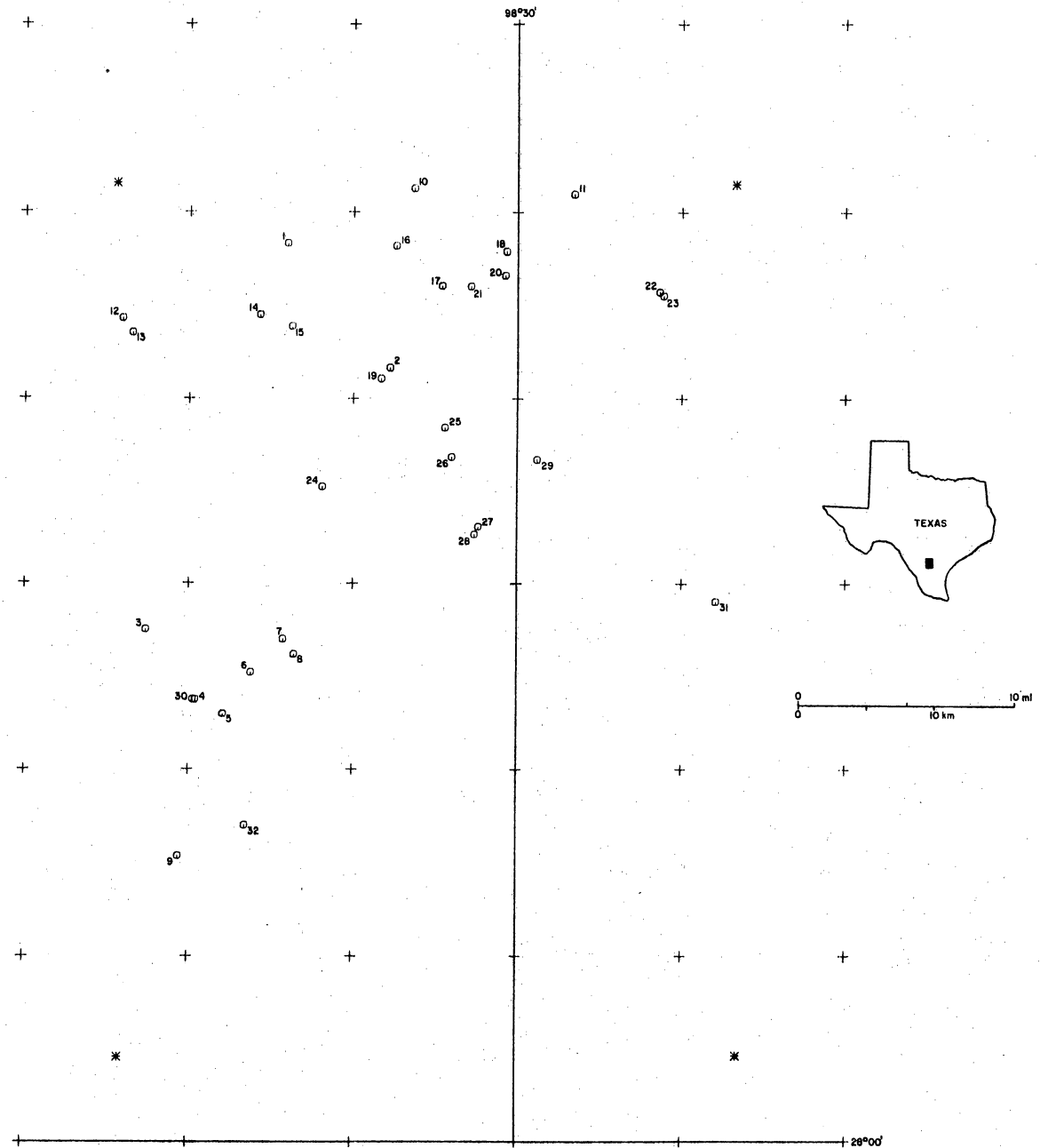




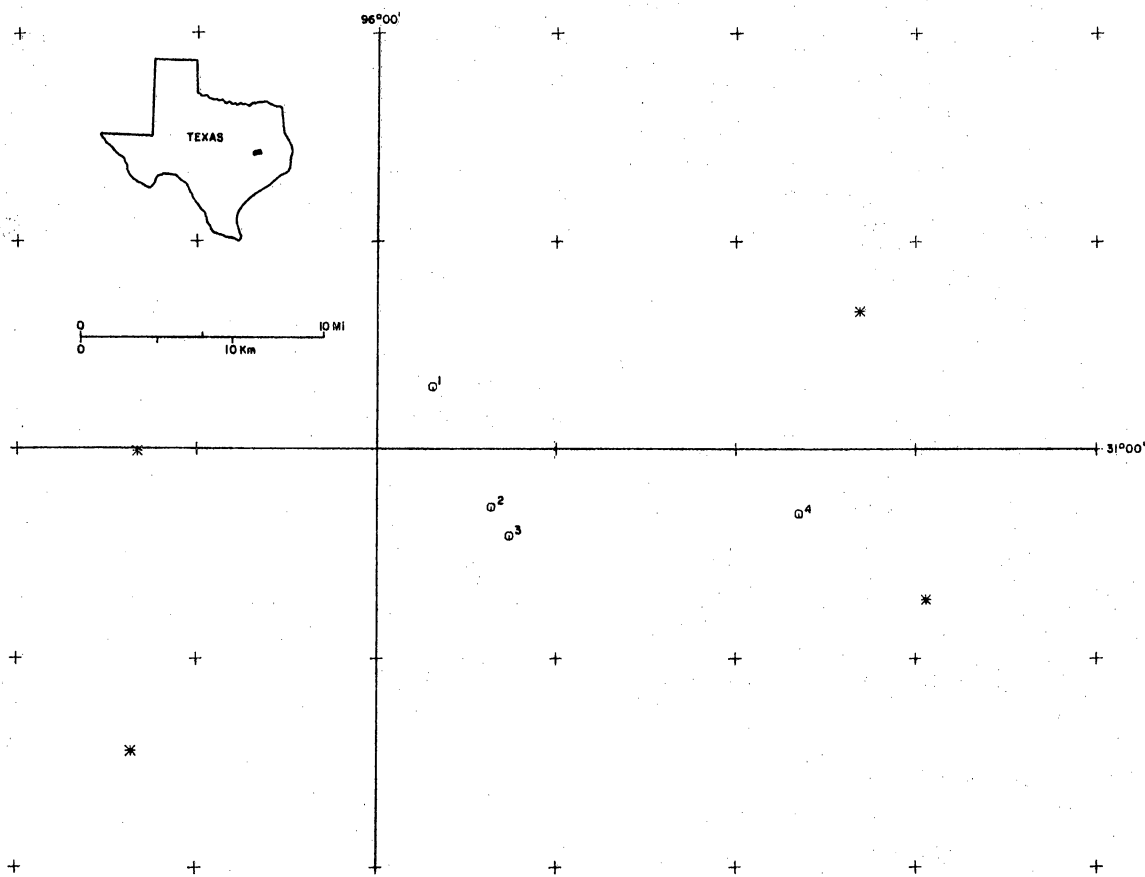
0 0 10 mi
0 0 10 km



MCMULLEN



MADISON



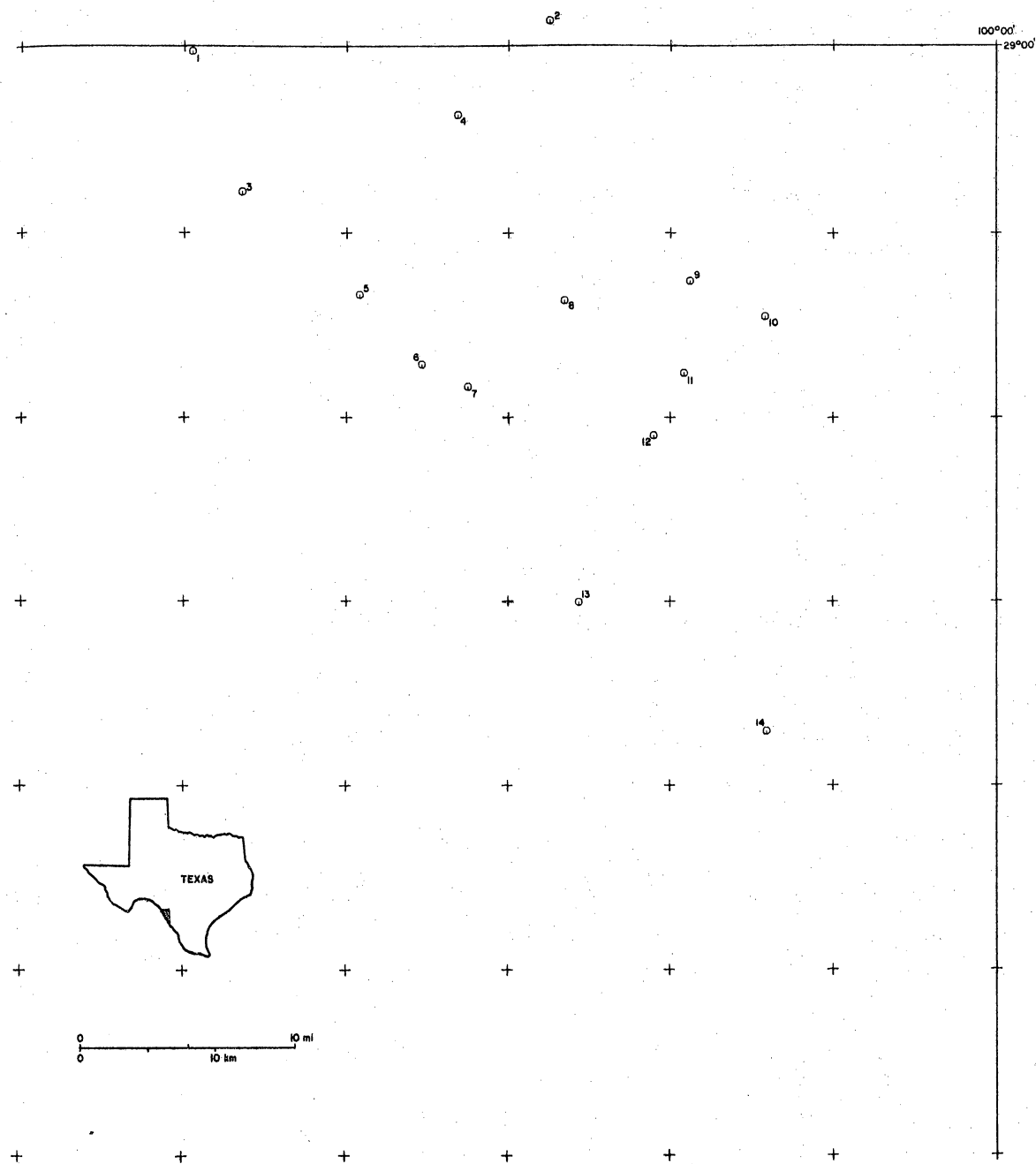
A map of Marion, Texas, showing a grid of points. The map is bounded by a horizontal line at the top and a vertical line on the right. The horizontal line is labeled with coordinates 94°00' and 93°00'. The vertical line is labeled with coordinates 33°00' and 32°00'. The map shows a grid of points, with some points marked with asterisks (*) and others with plus signs (+). An inset map of Texas is shown in the top right corner, with a scale bar indicating 0 to 10 miles. The word "TEXAS" is written on the inset map. The word "MARION" is written in the top left corner of the map area.



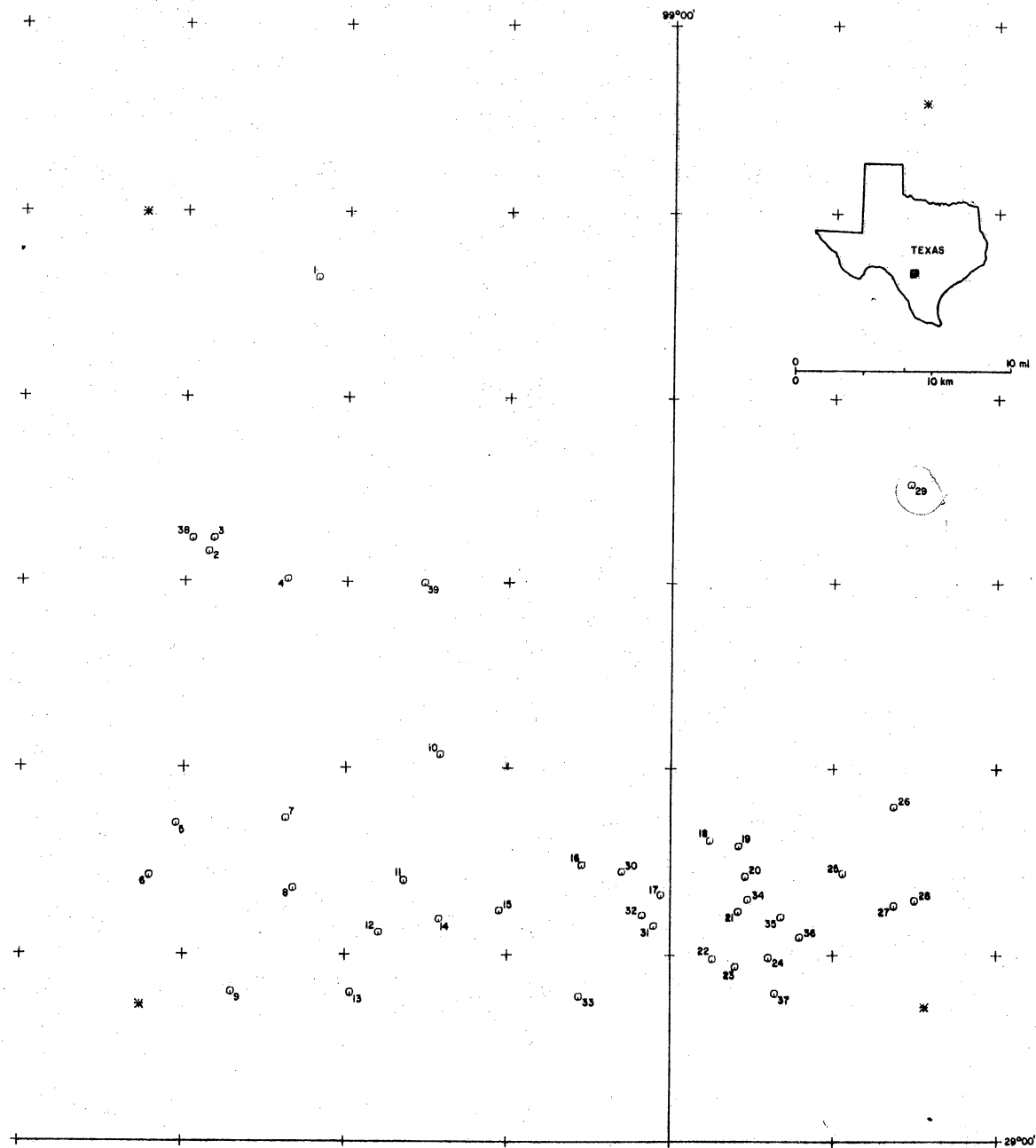
TEXAS

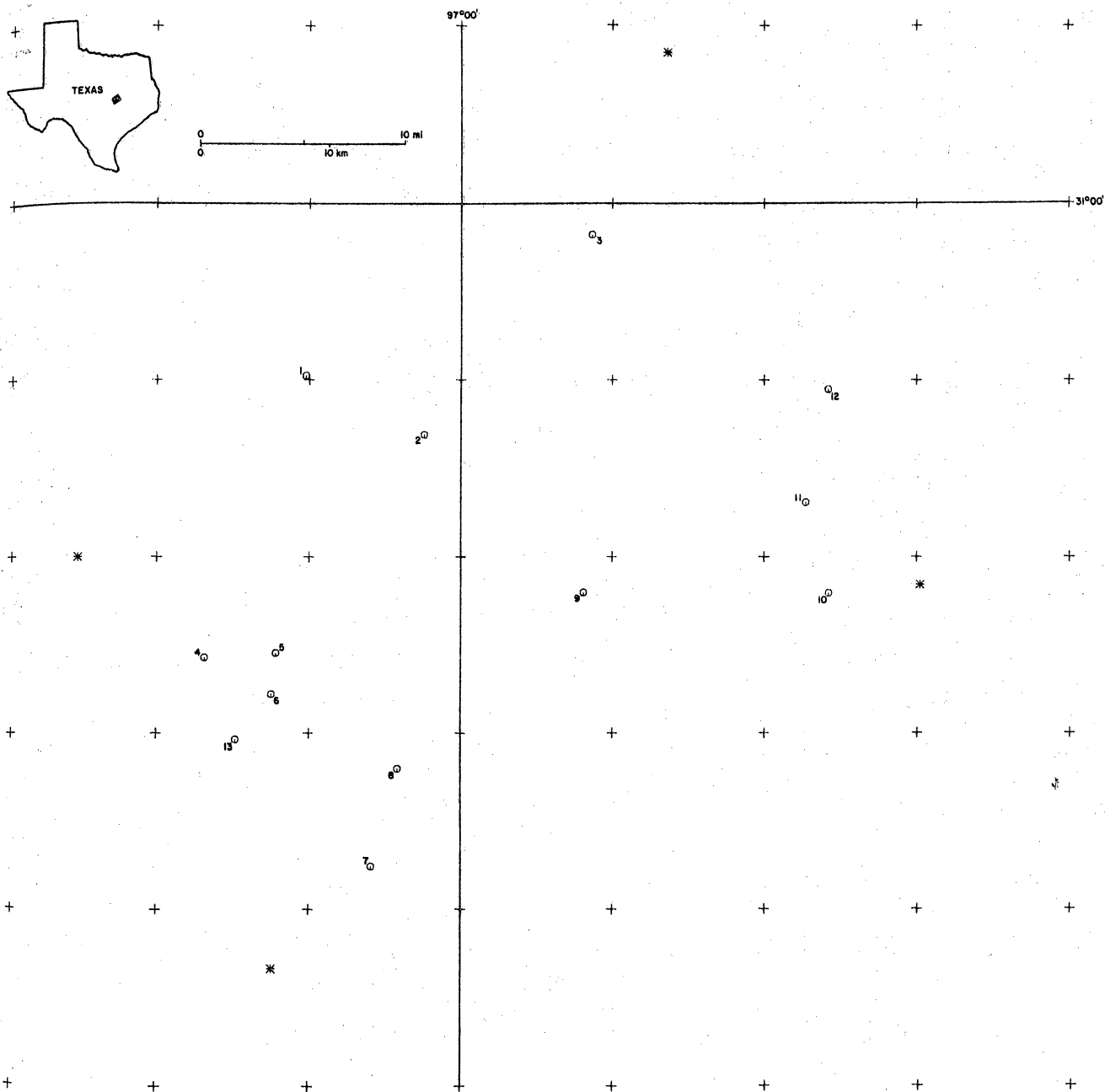
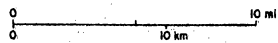
$$\begin{array}{r} 94^{\circ}00' \\ + 33^{\circ}00' \\ \hline \end{array}$$

MAVERICK

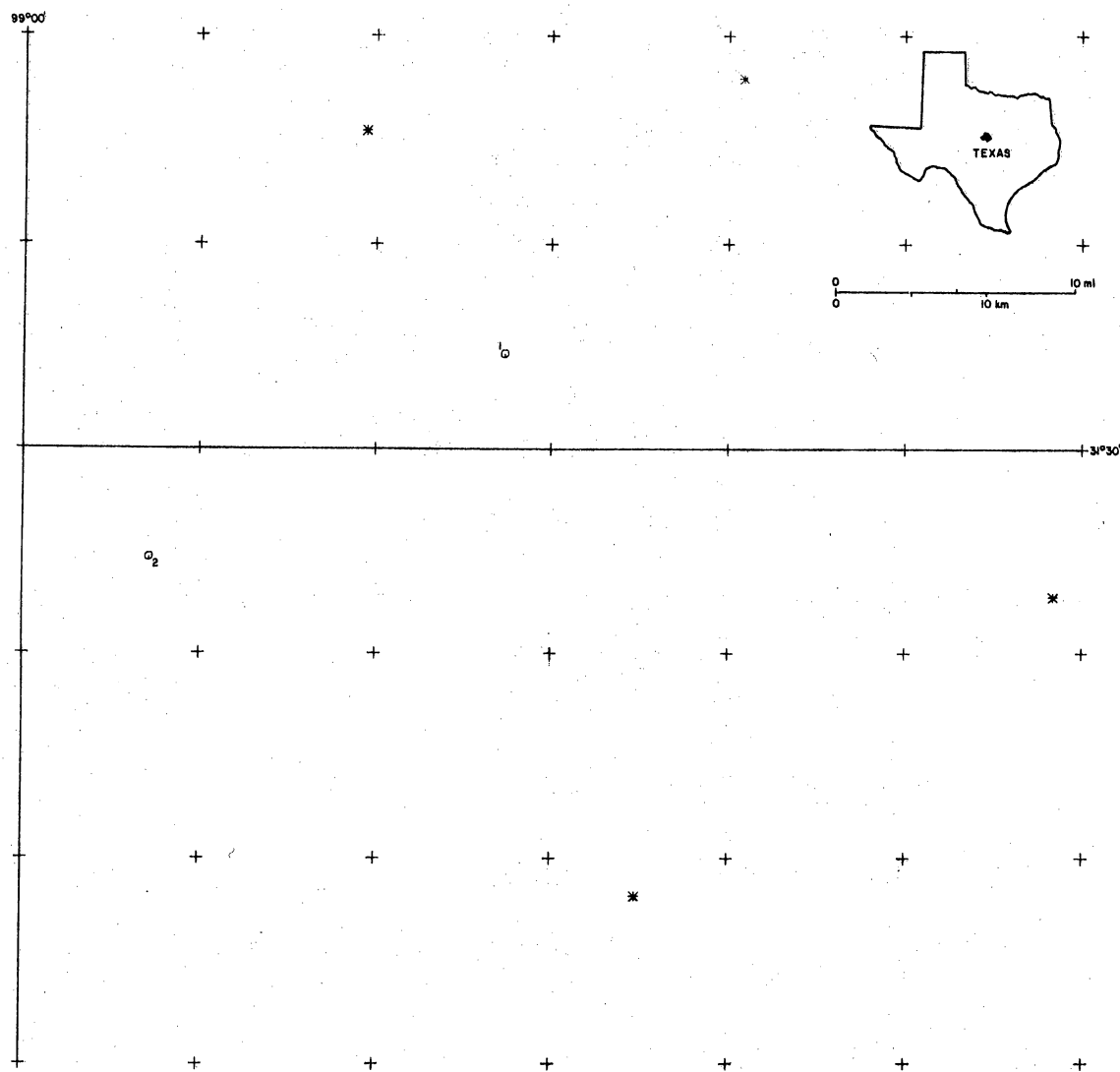


MEDINA

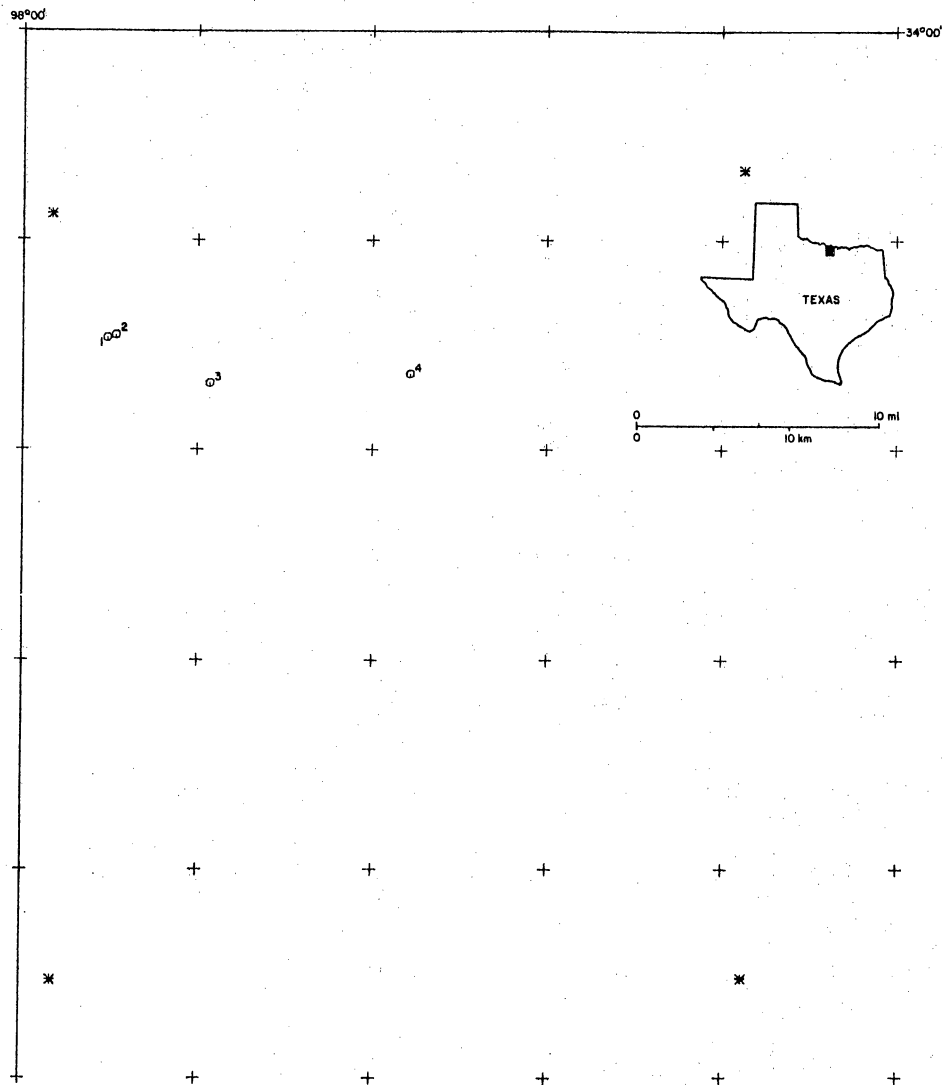




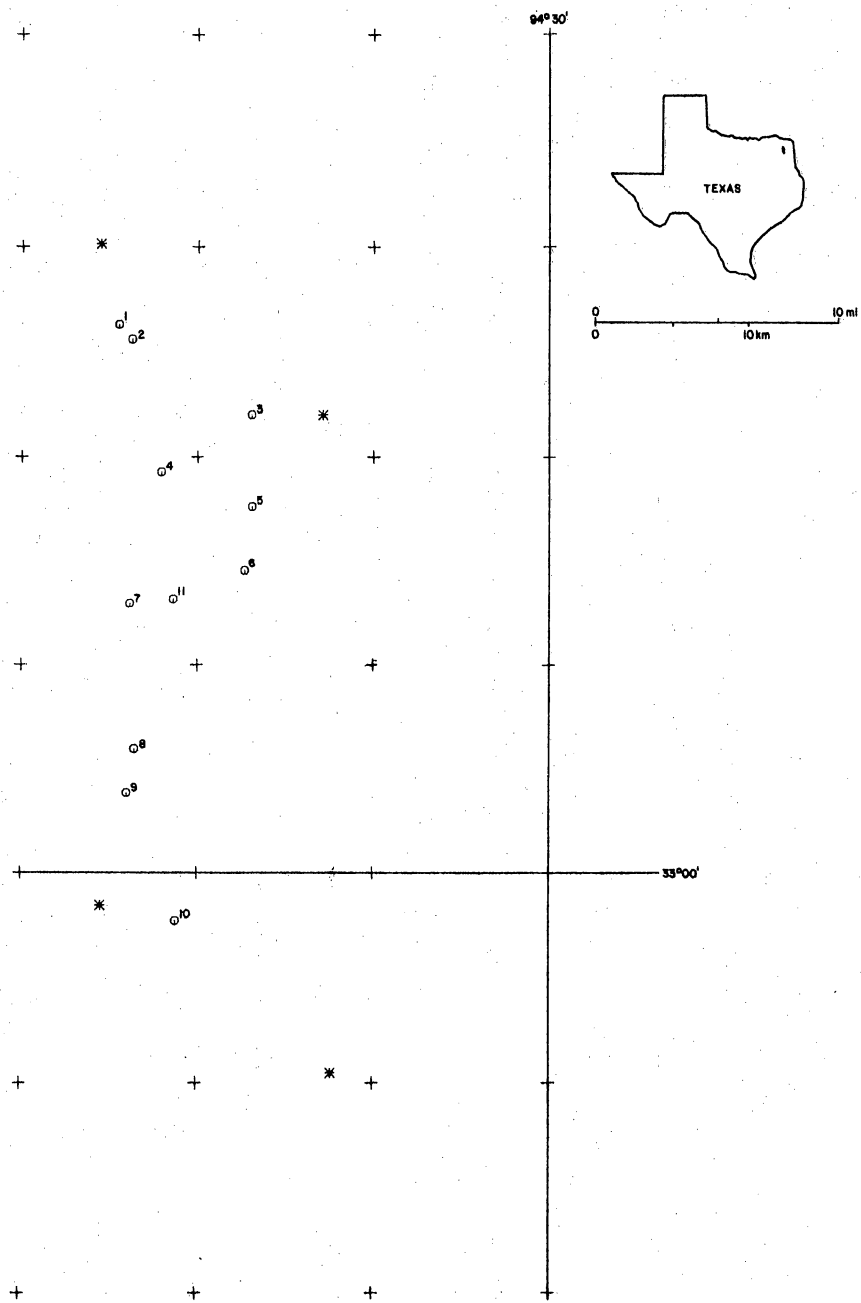
MILLS



MONTAGUE

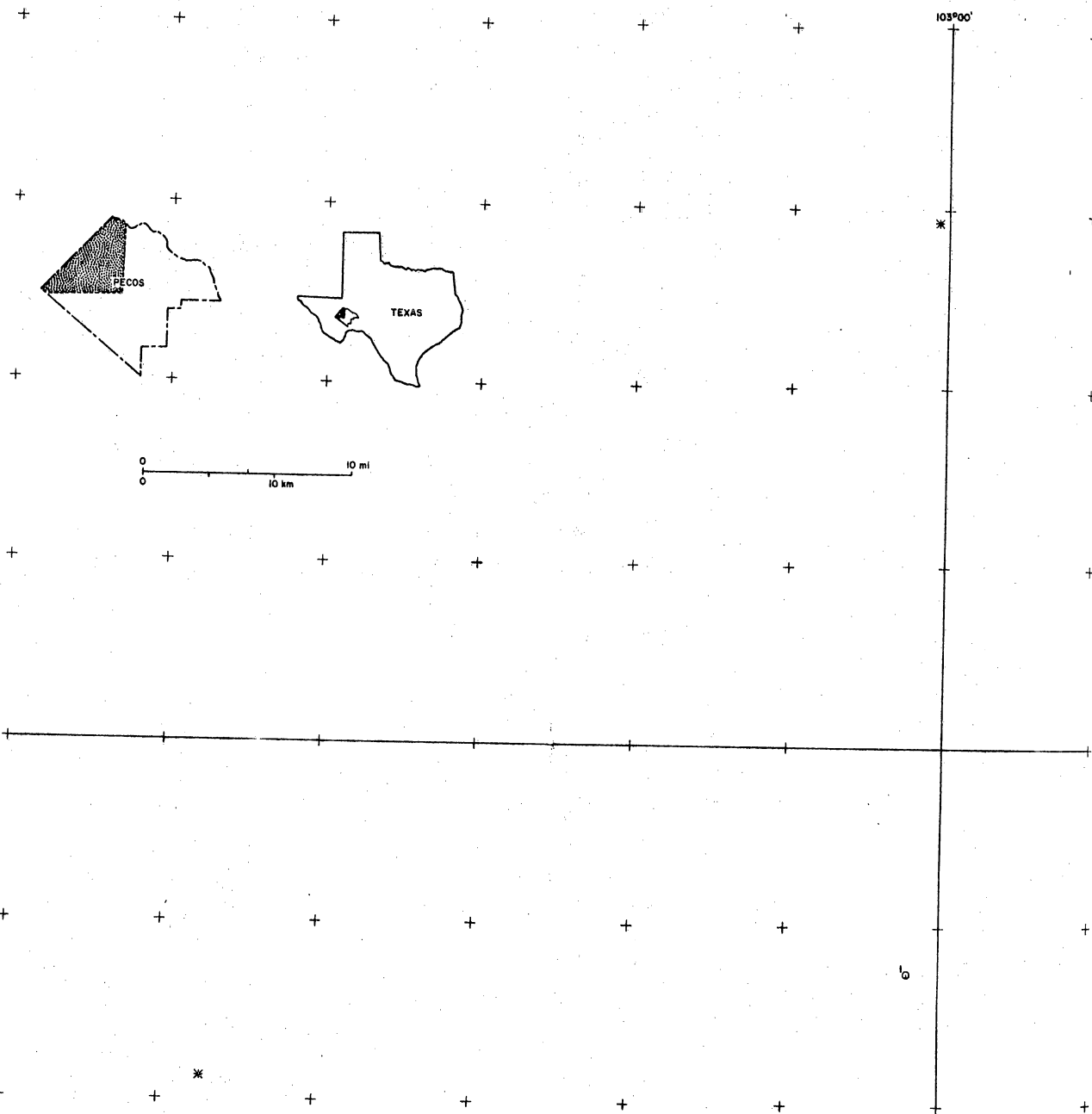


MORRIS

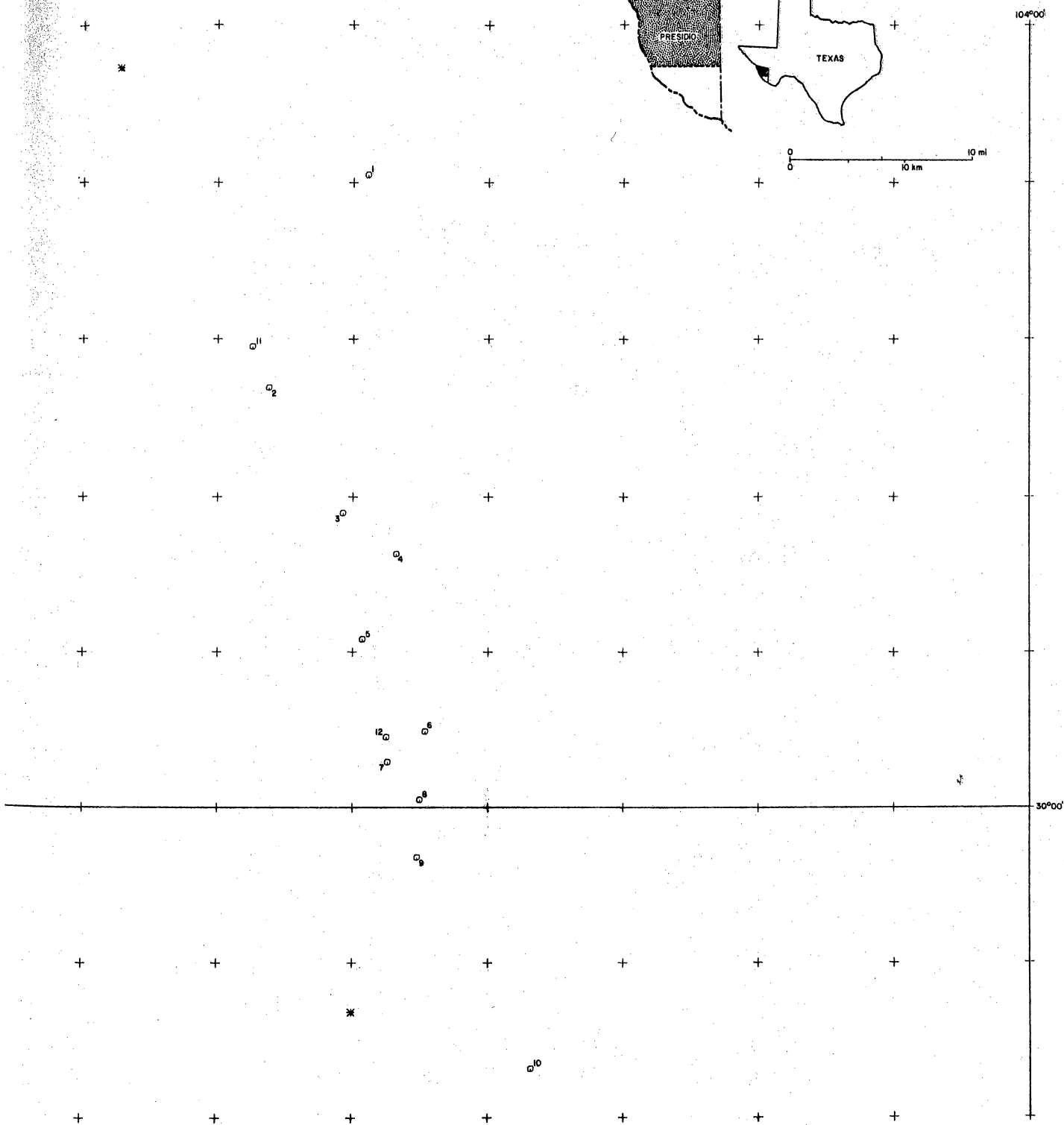
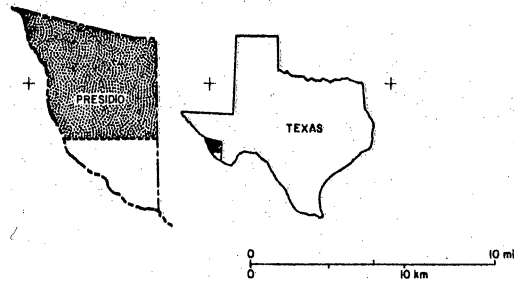




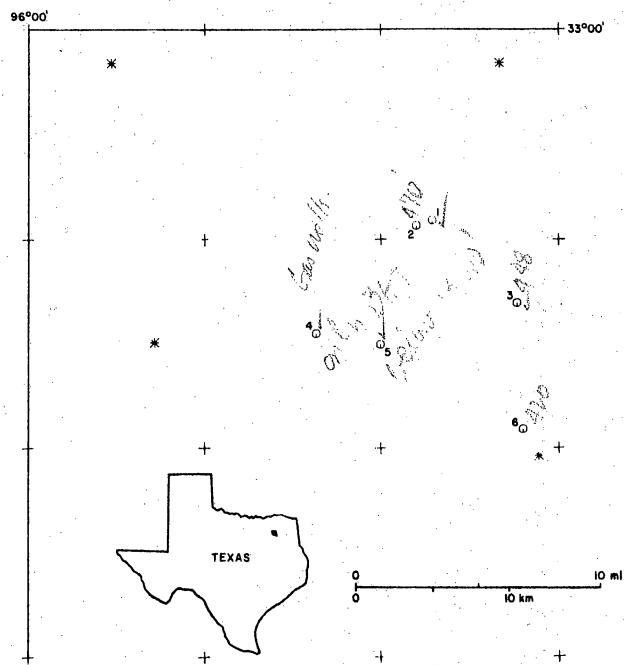
PECOS



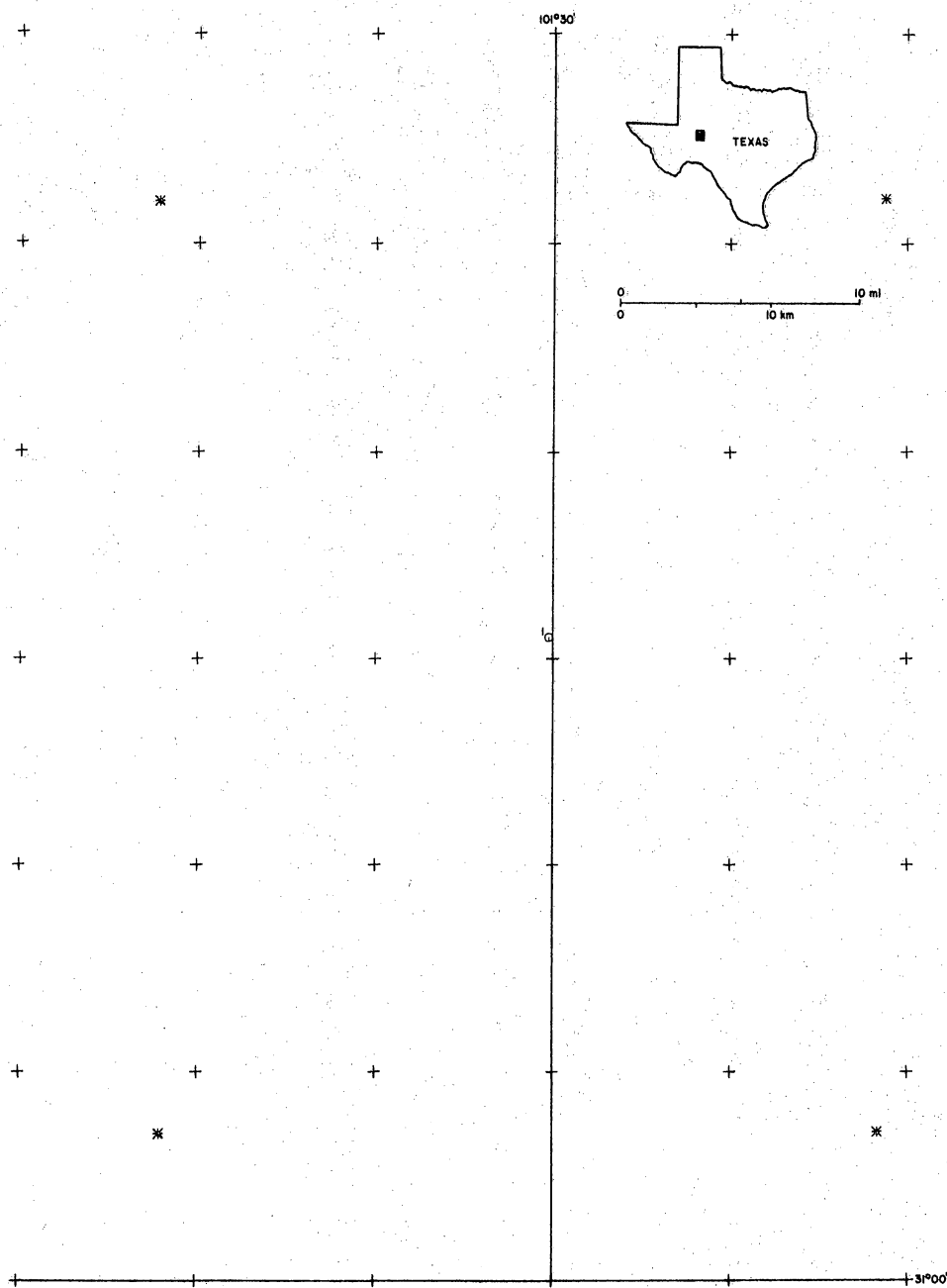
ESIDIO



RAINS

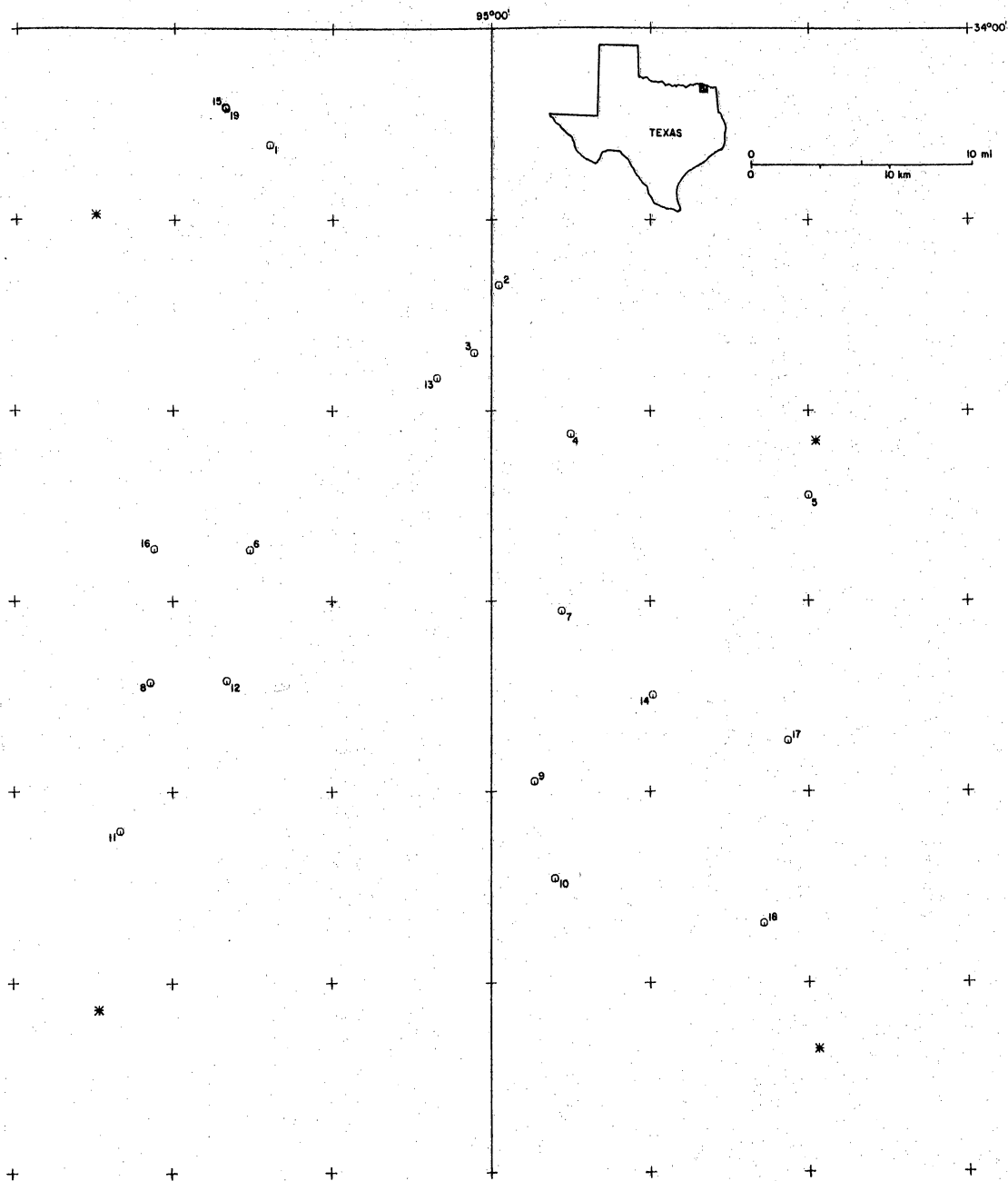


REAGAN

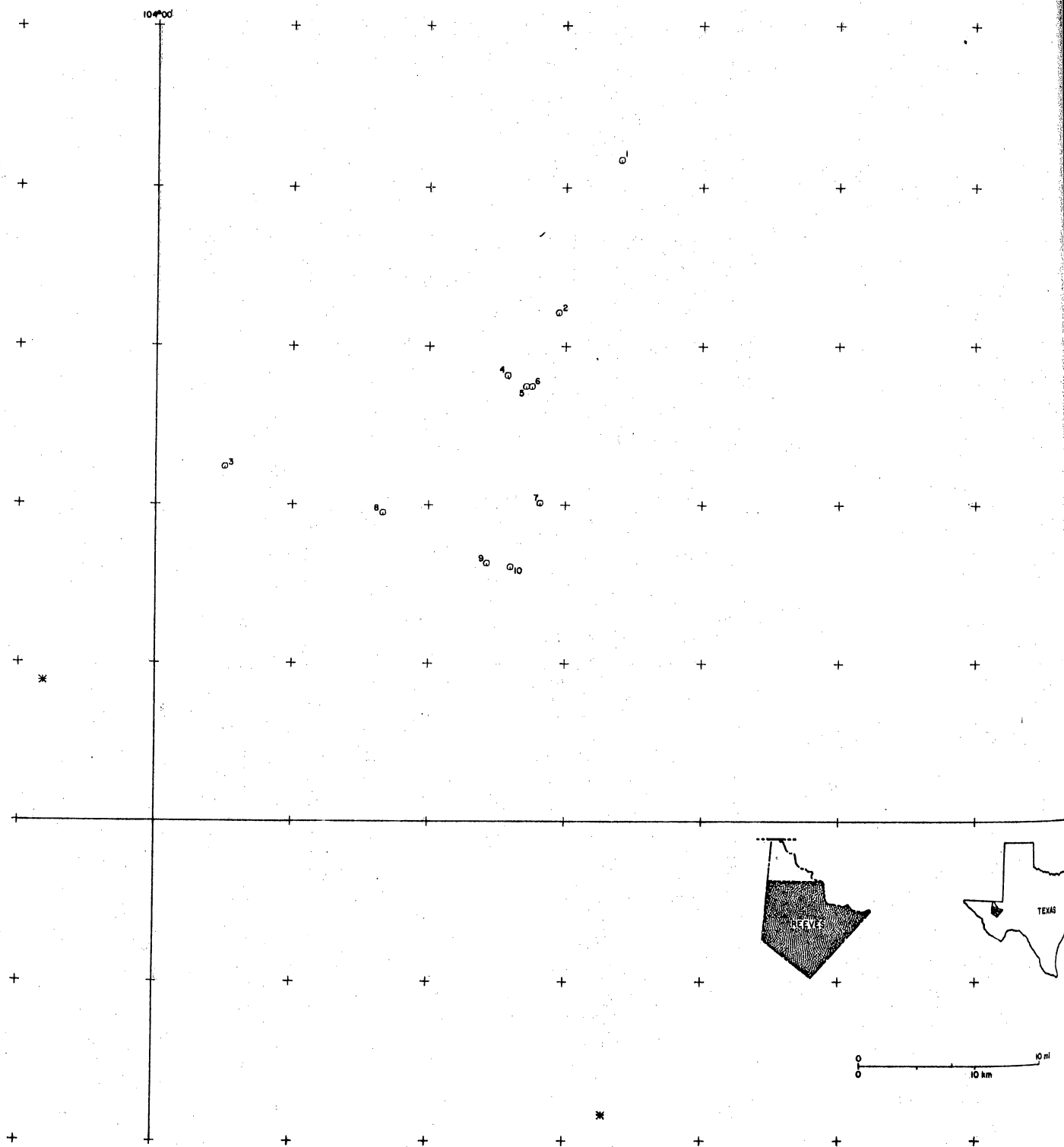


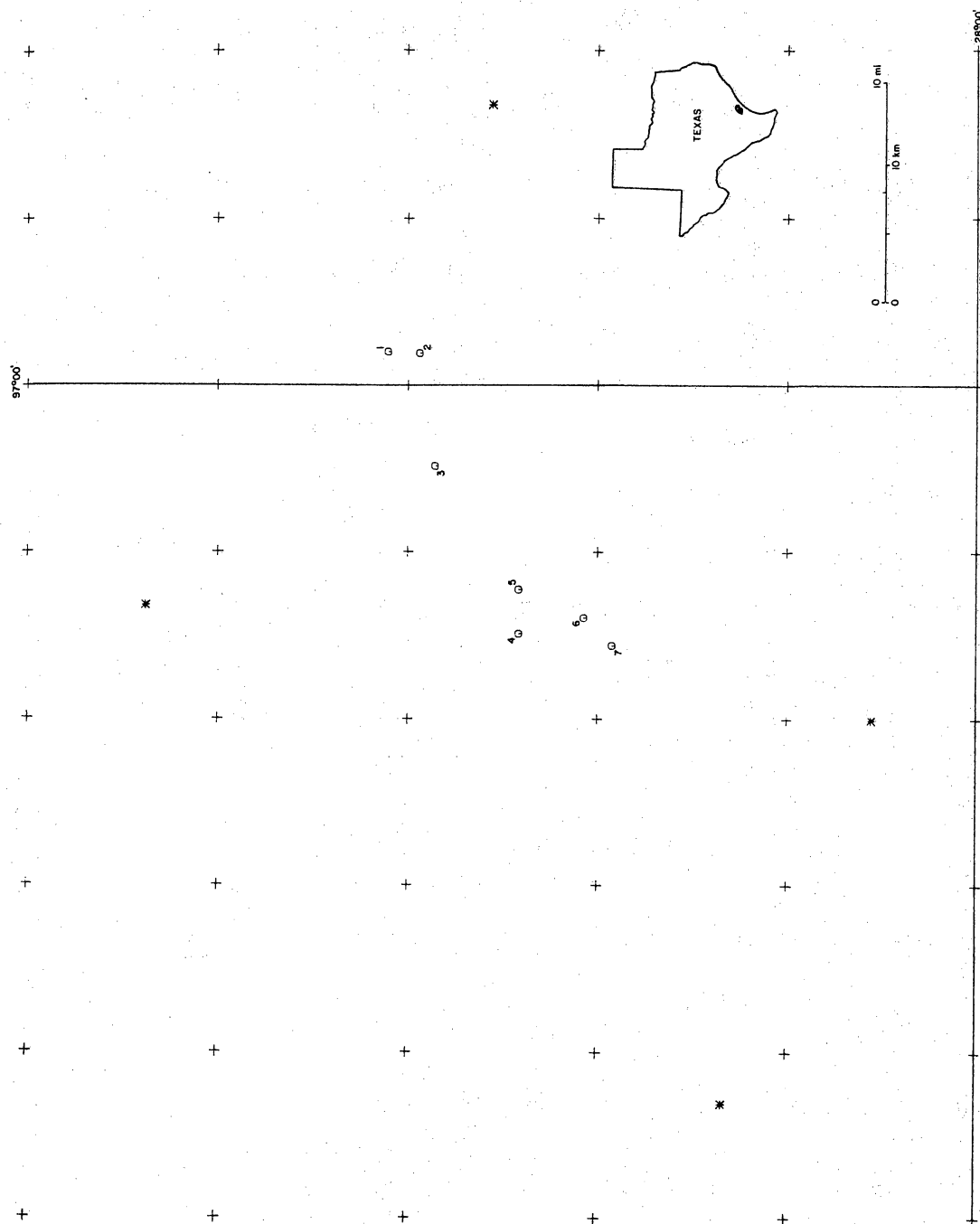
A map of Texas with a coordinate grid. The horizontal axis represents longitude, with labels at 100°00' and 90°00'. The vertical axis represents latitude, with labels at 30°00' and 40°00'. A scale bar in the upper right corner indicates distances of 0, 10 km, and 10 mi. An inset map shows the location of the study area (marked with a small square) within the state of Texas. The study area is located in the central part of Texas, near the intersection of the 95°W and 35°N lines.

RED RIVER

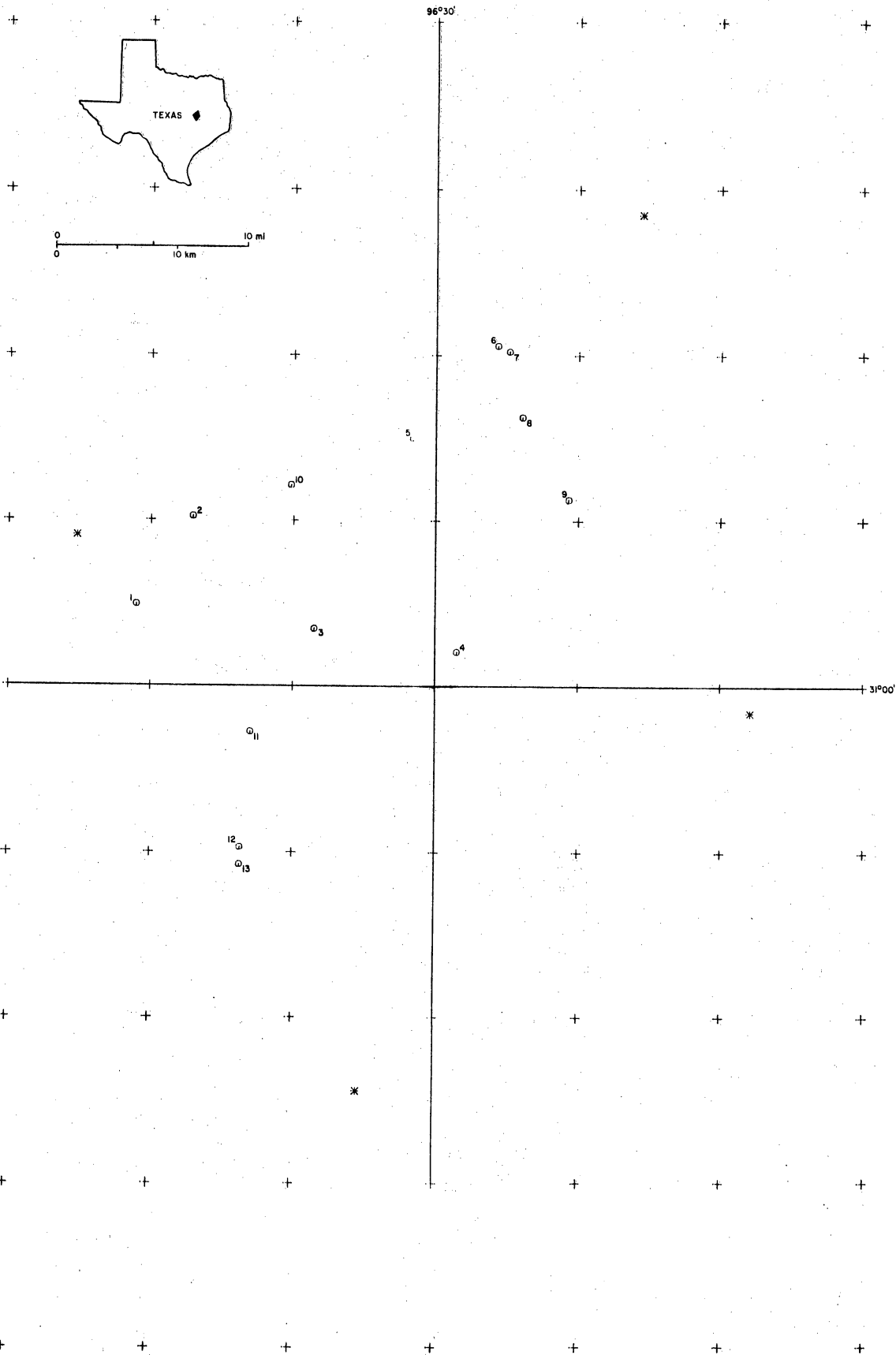


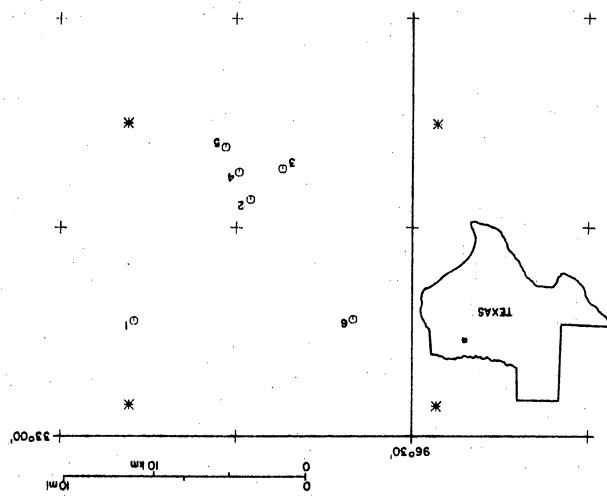
REEVES





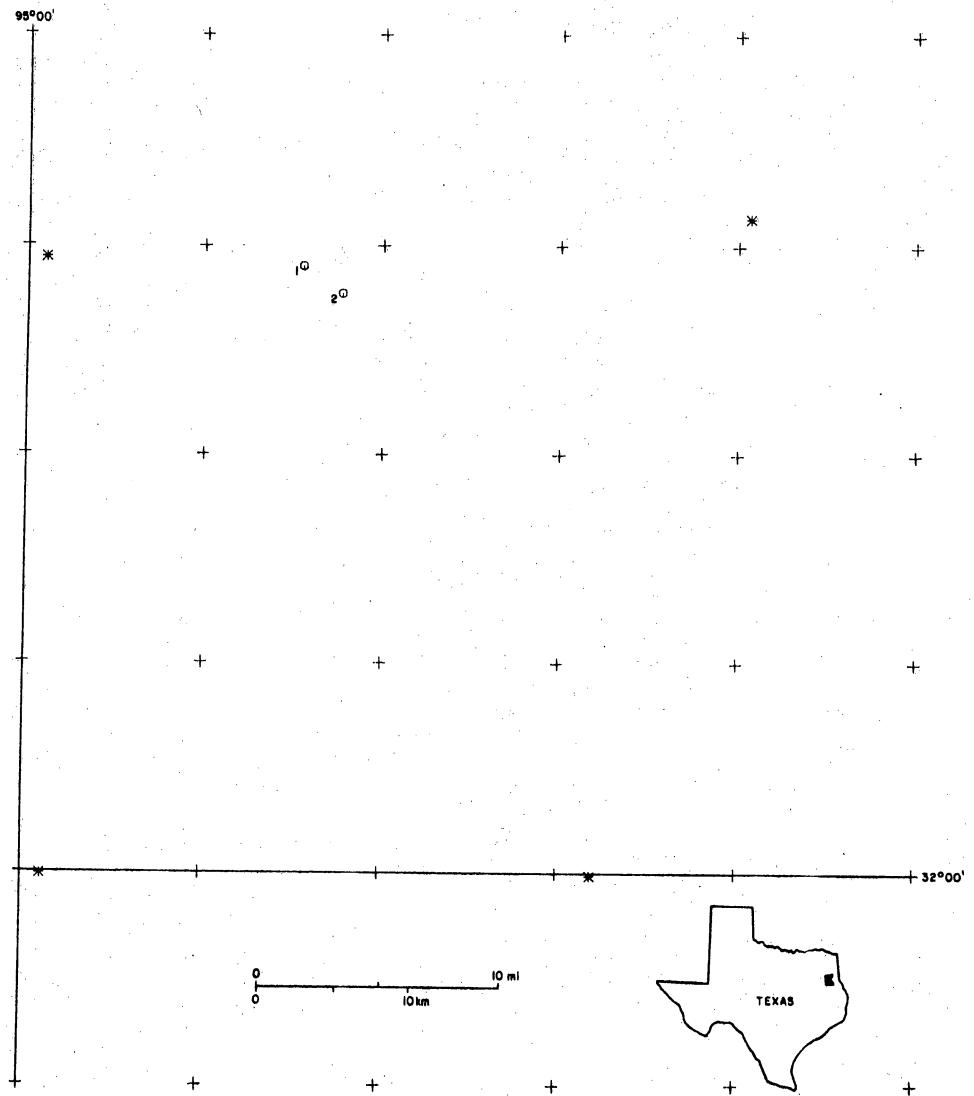
ROBERTSON



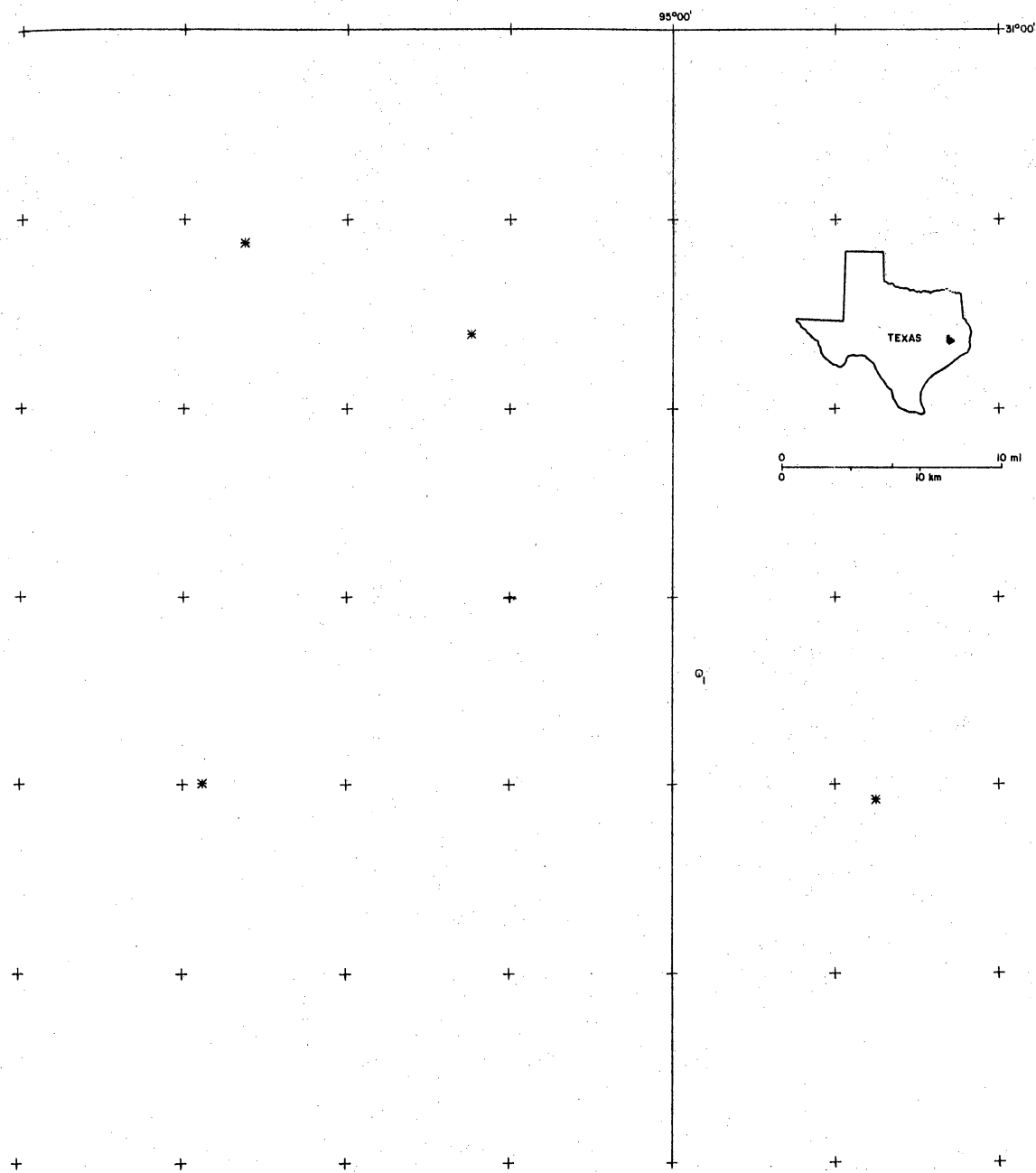


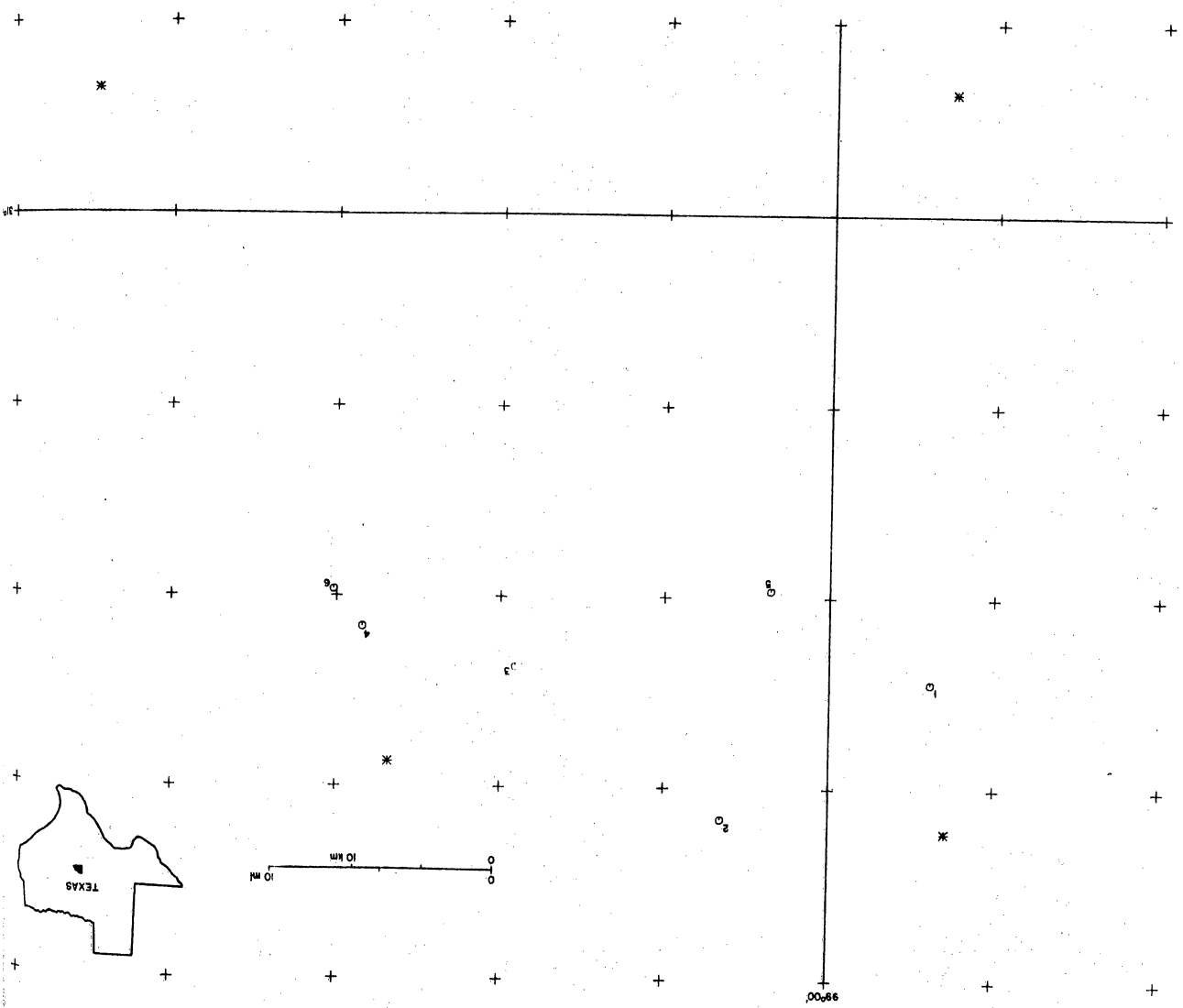
ROCKWELL

RUSK

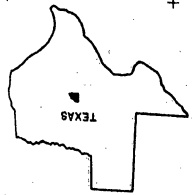


SAN JACINTO



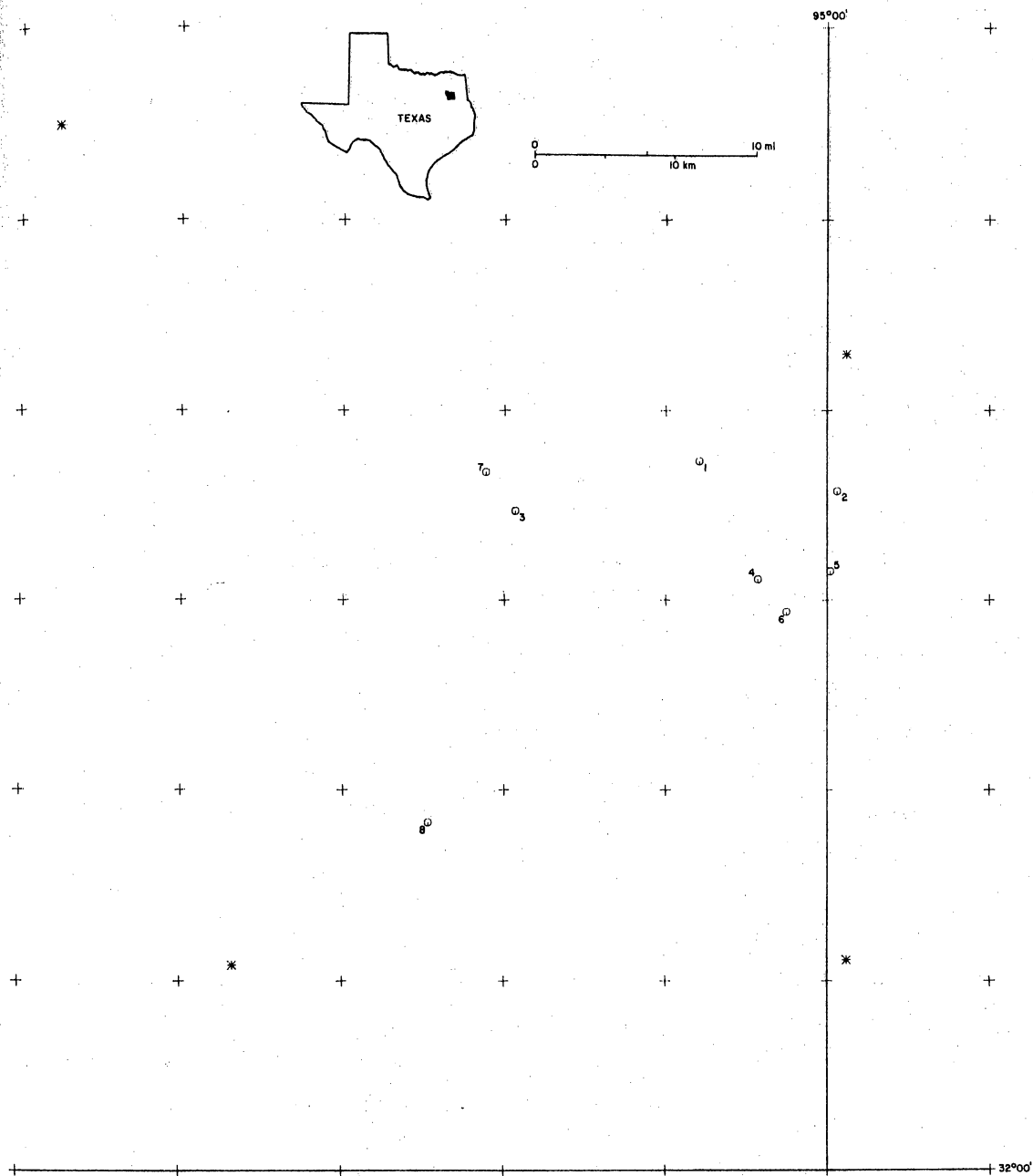


SAN SABA

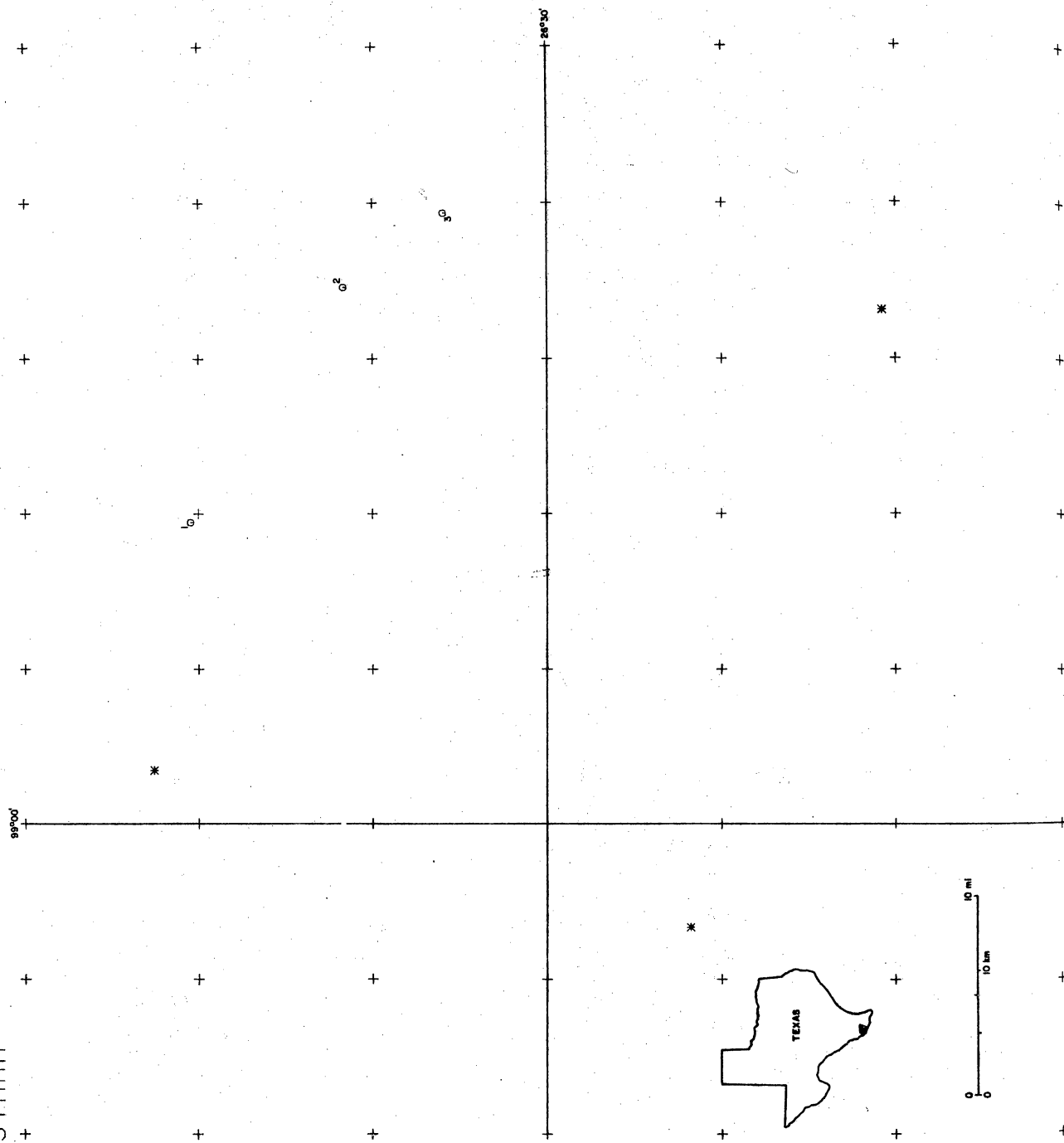


10 km

SMITH



STARR



STEPHENS

99°00'

33°00'

99°00'

99°00'

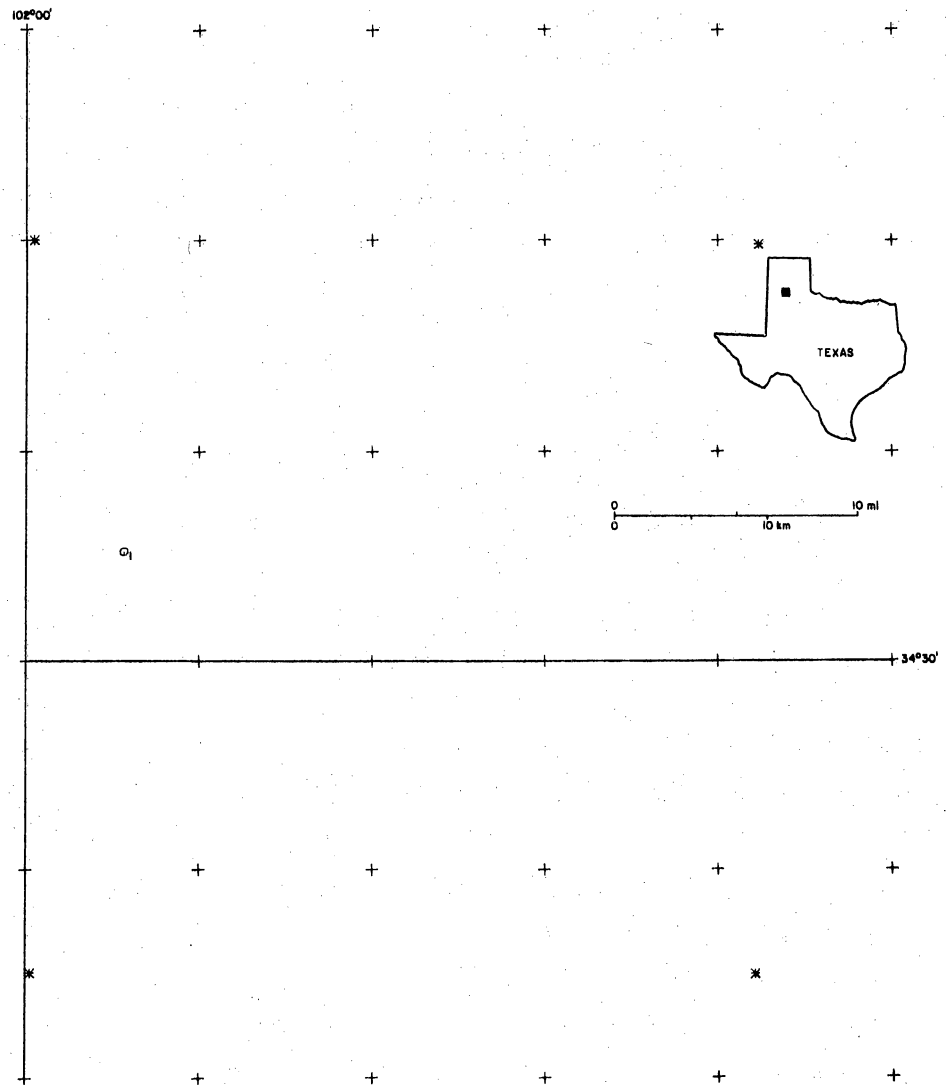
99°00'

99°00'

0 10 km 10 mi

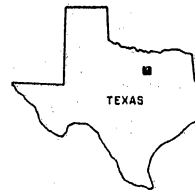
TEXAS

SWISHER

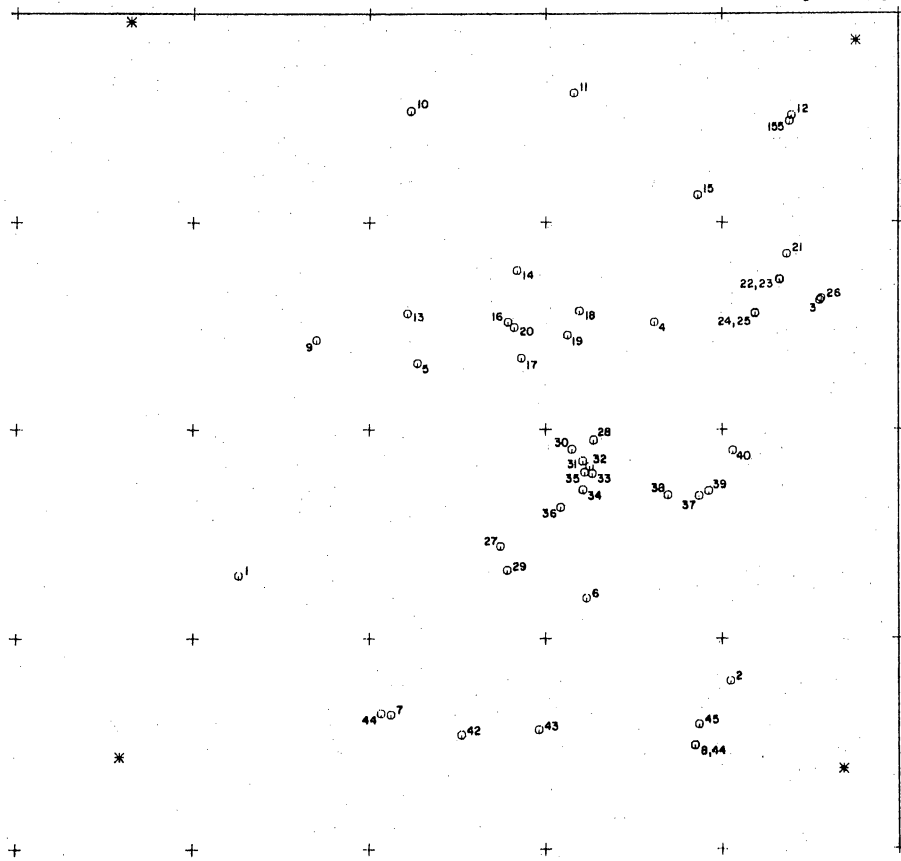


TARRANT

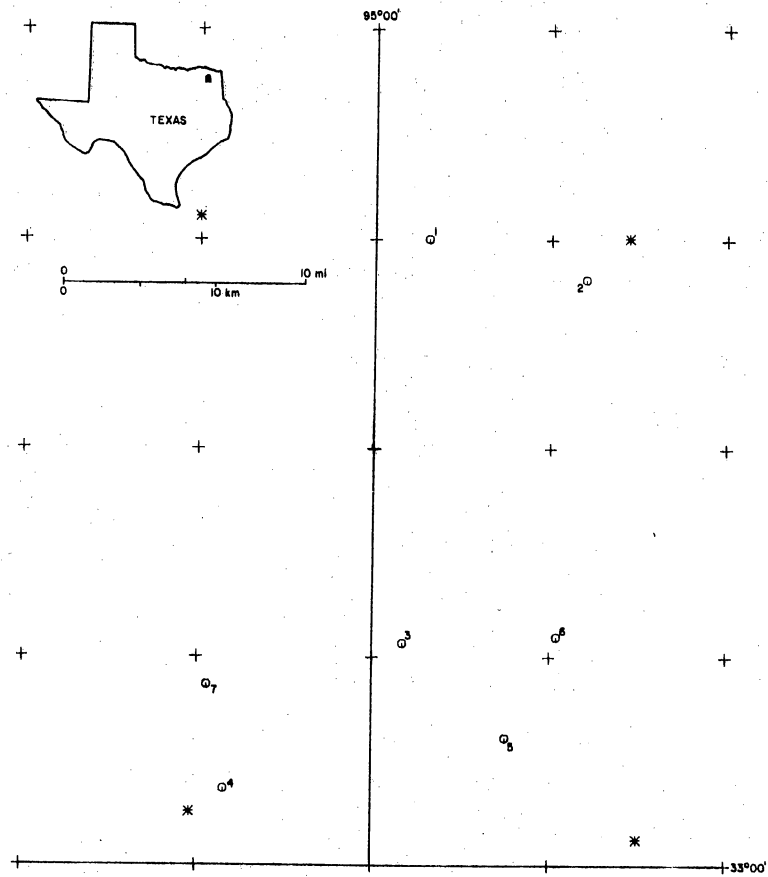
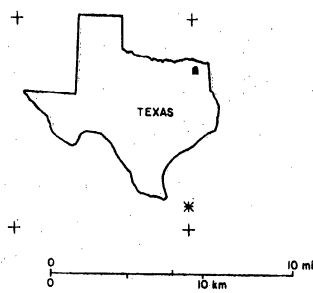
0 10 km 10 mi

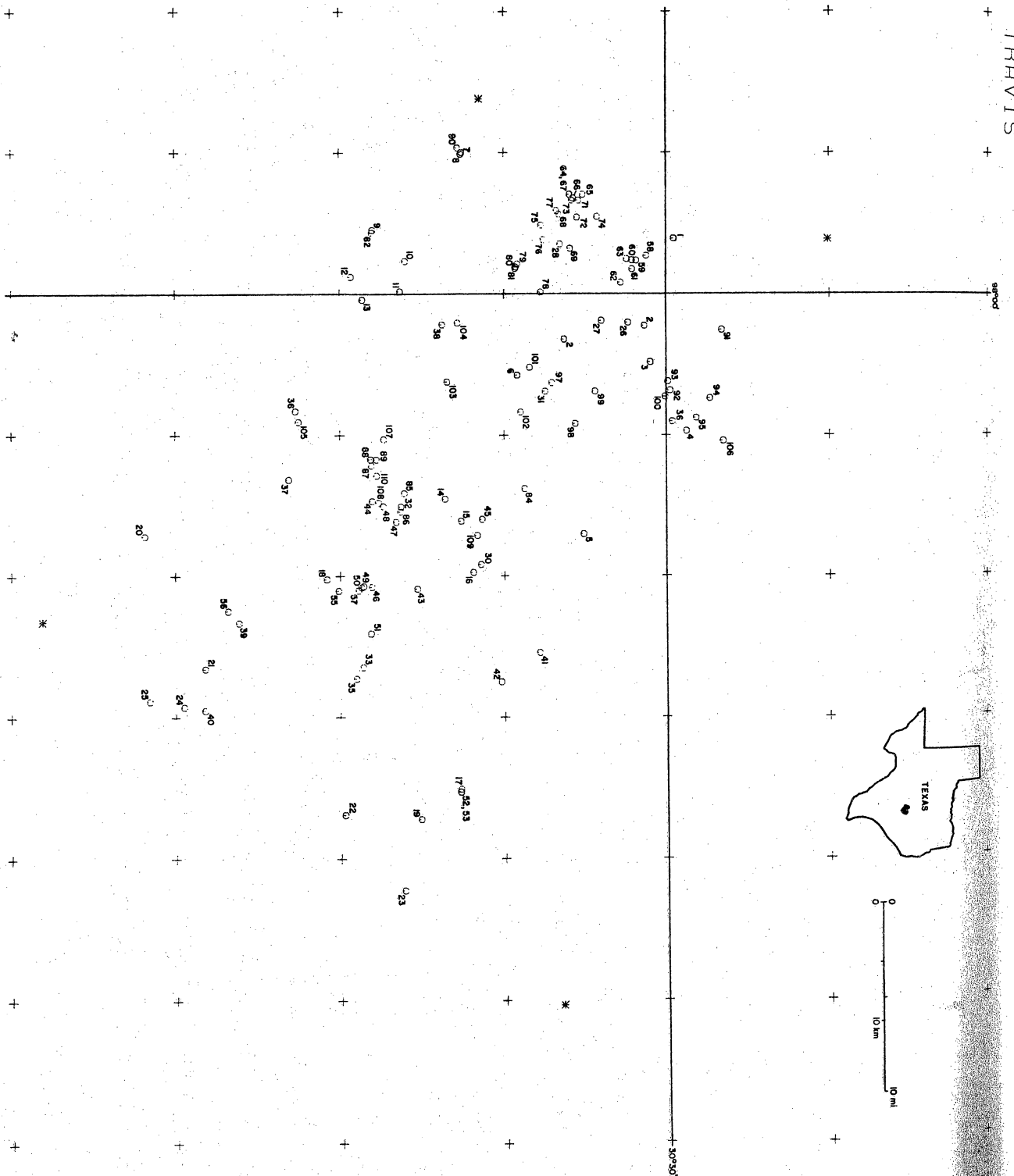


97°00' 33°00'

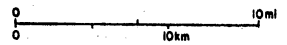
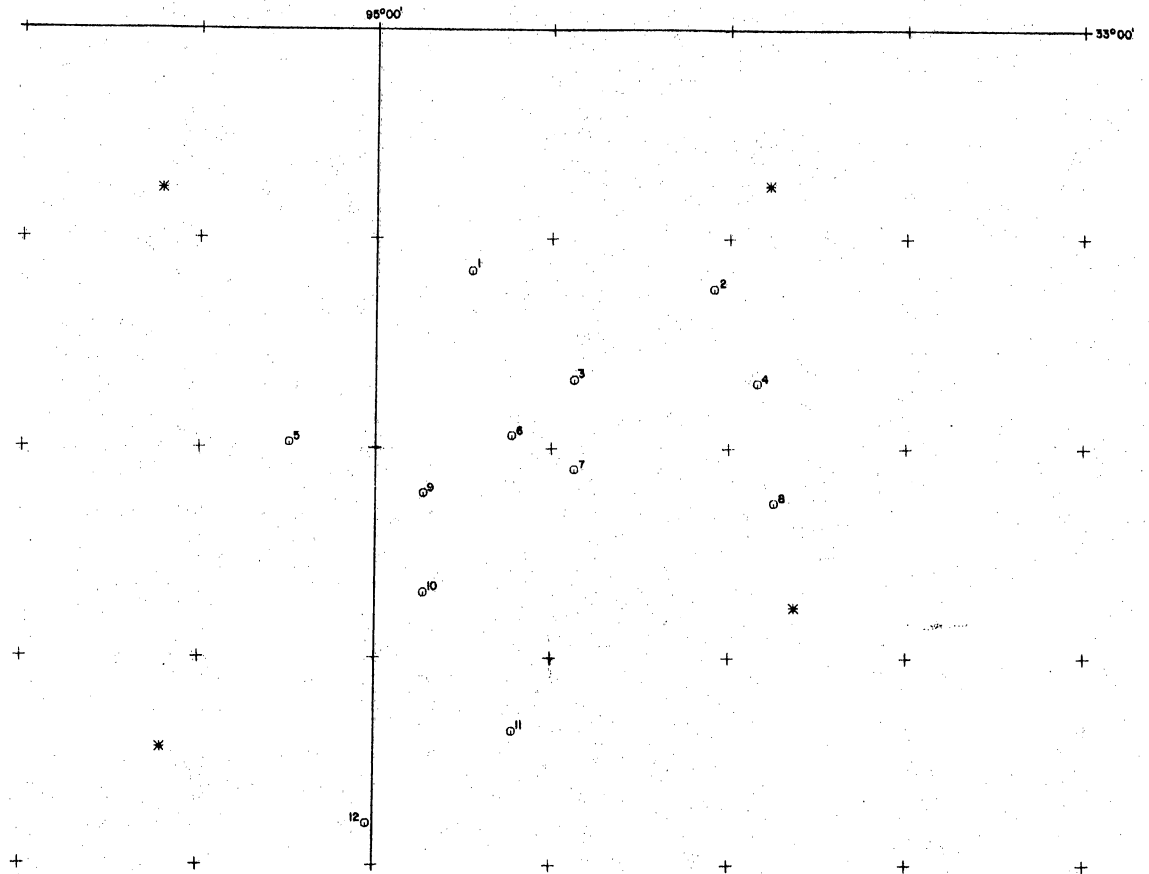


TILUS

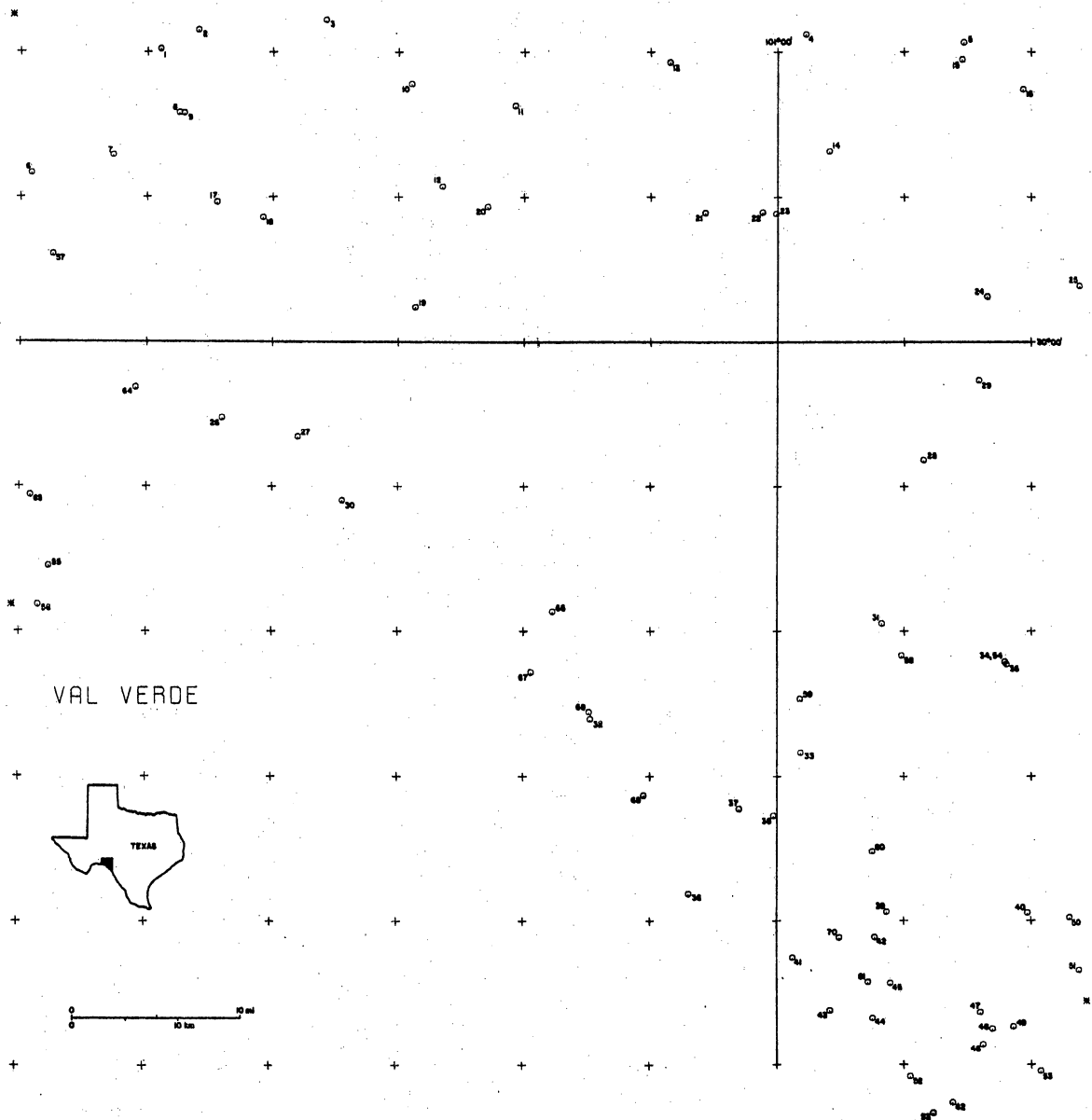




UPSHUR





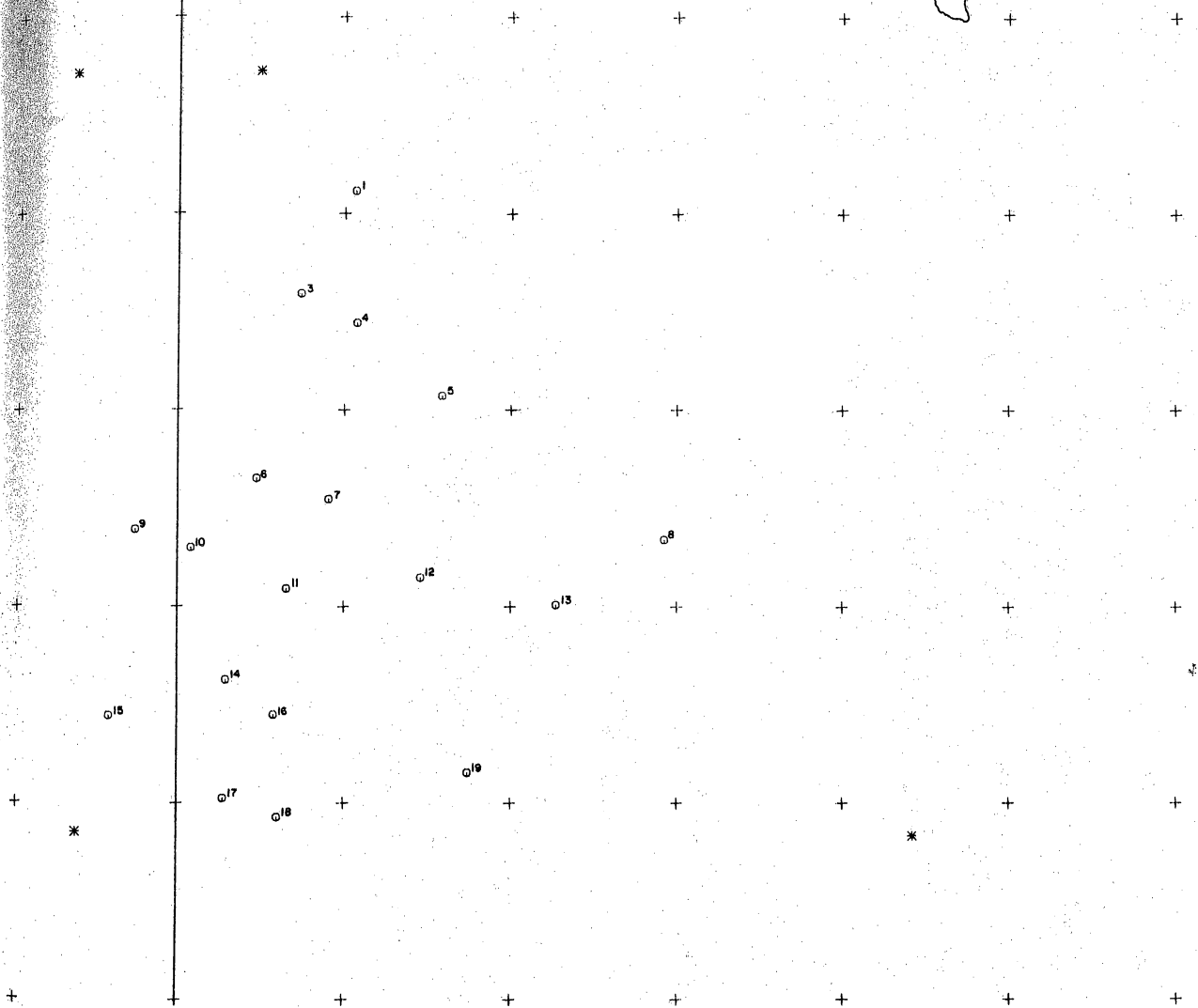
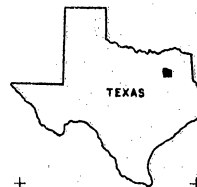


MON ZANDT

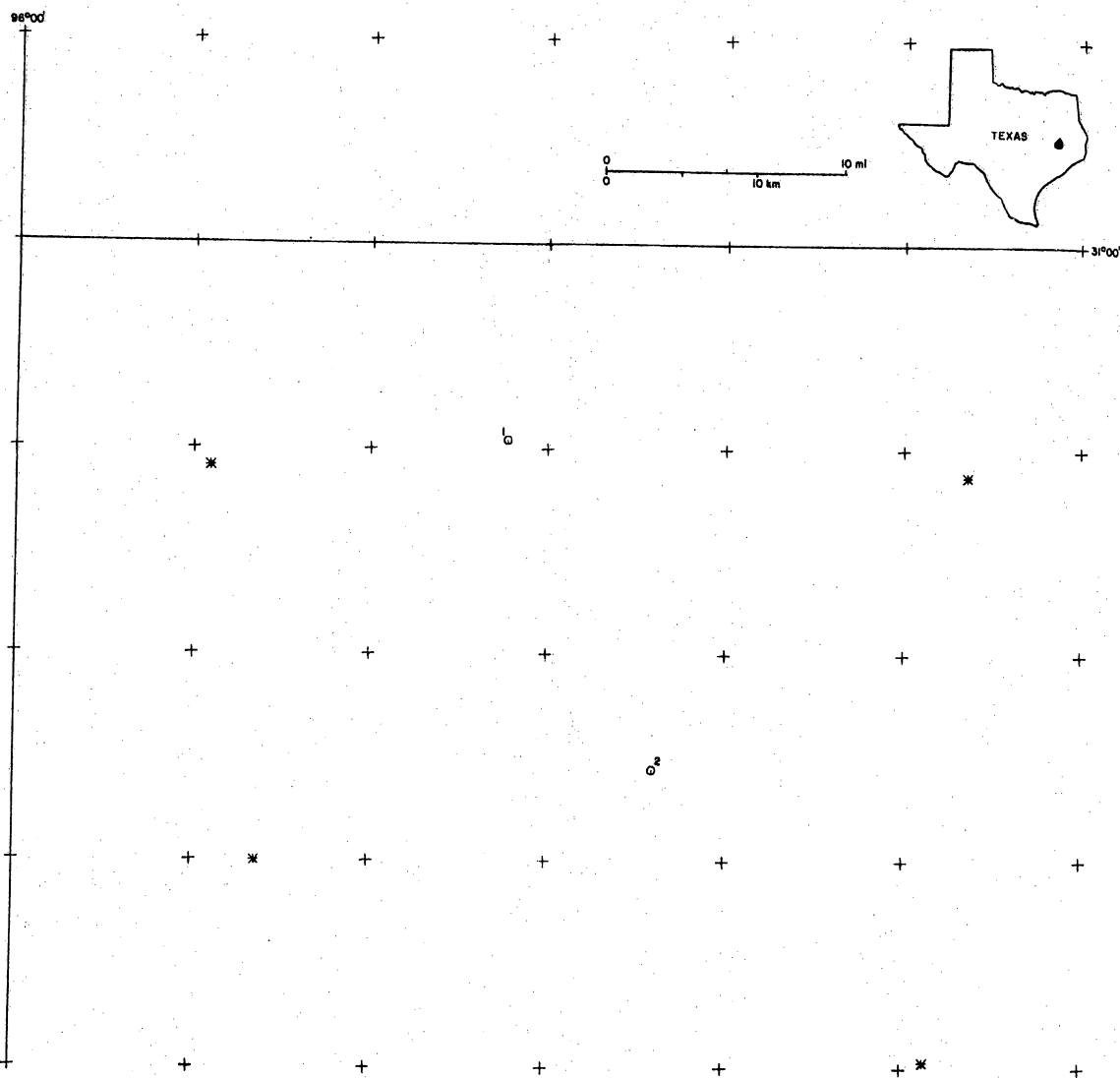
96°00'

33°00'

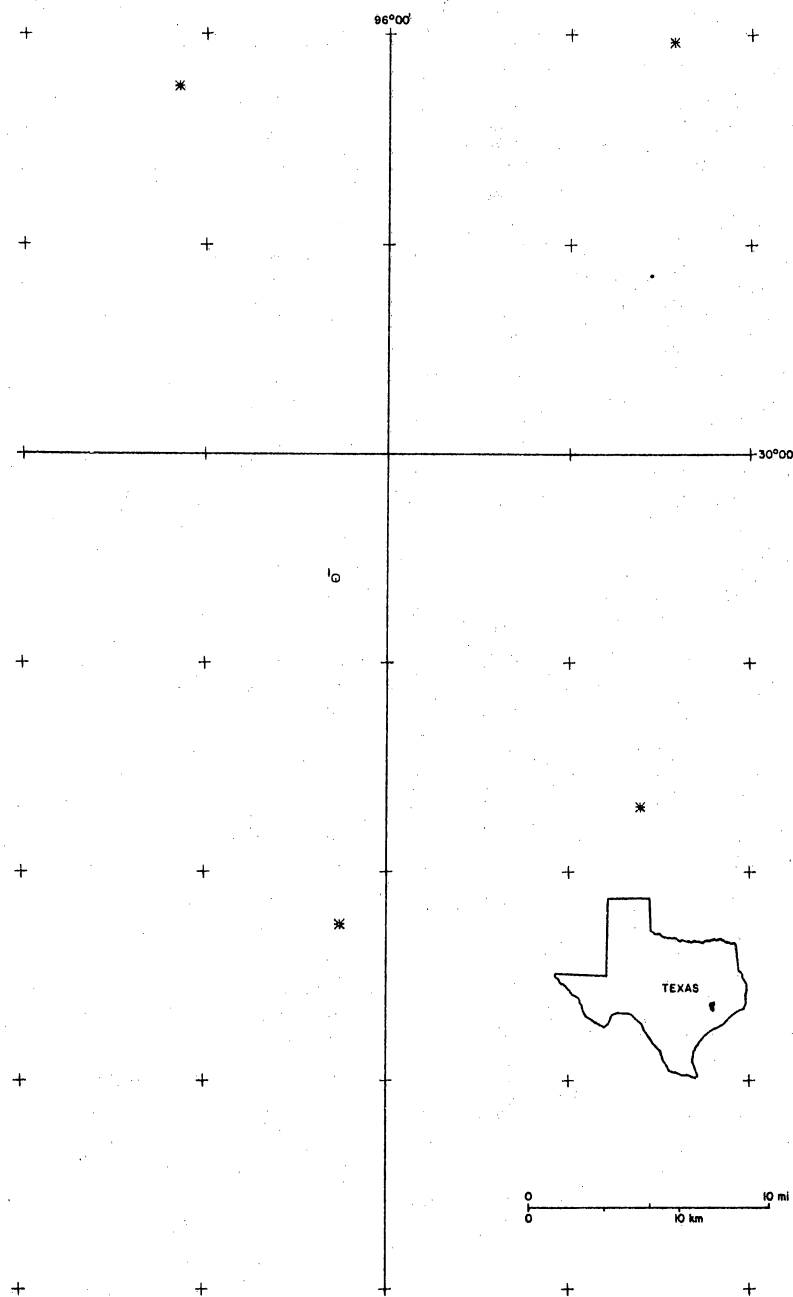
0 10 mi
0 10 km



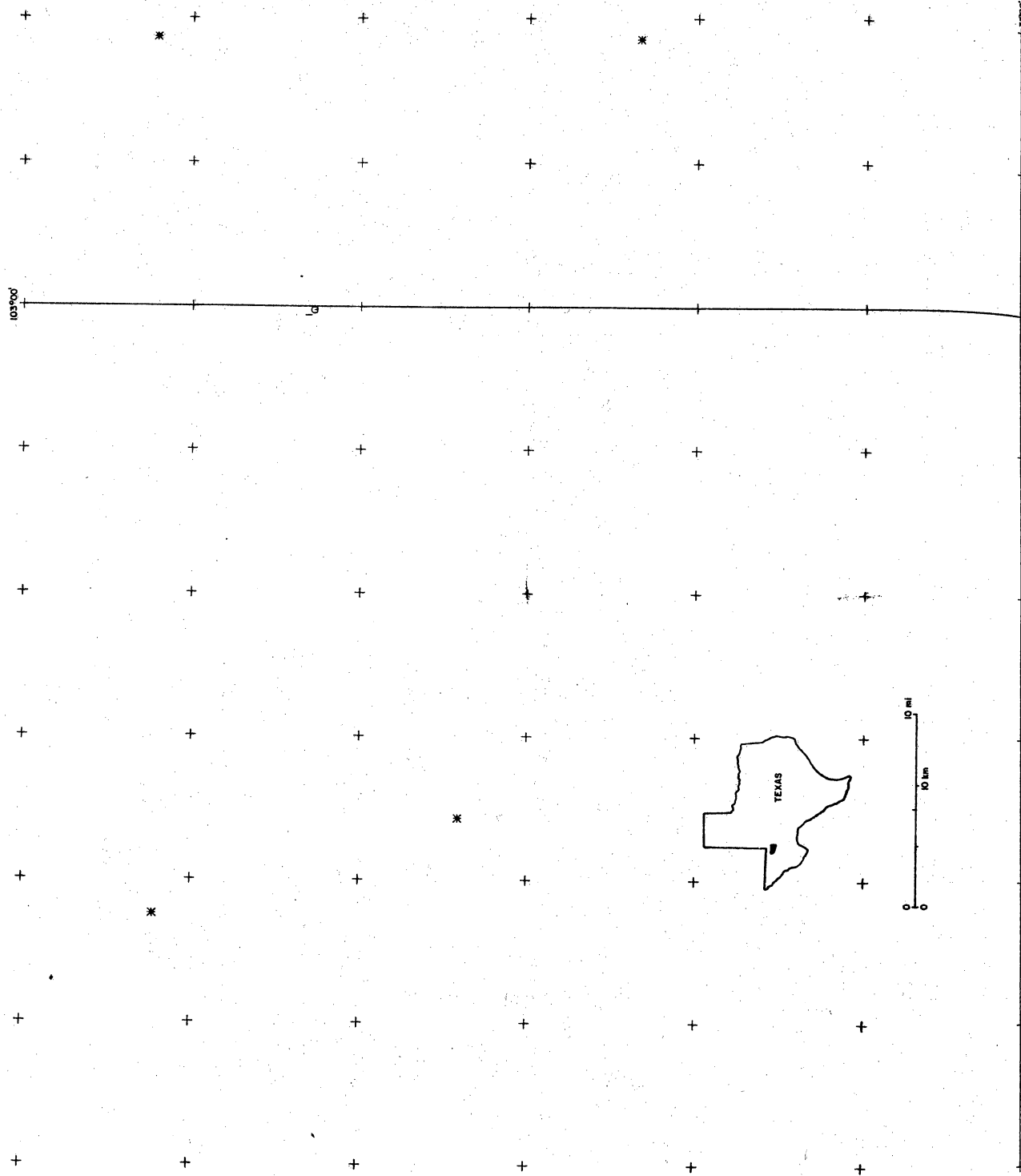
WALKER



WALLER



WARD



WASHINGTON



0 10 km 10 mi

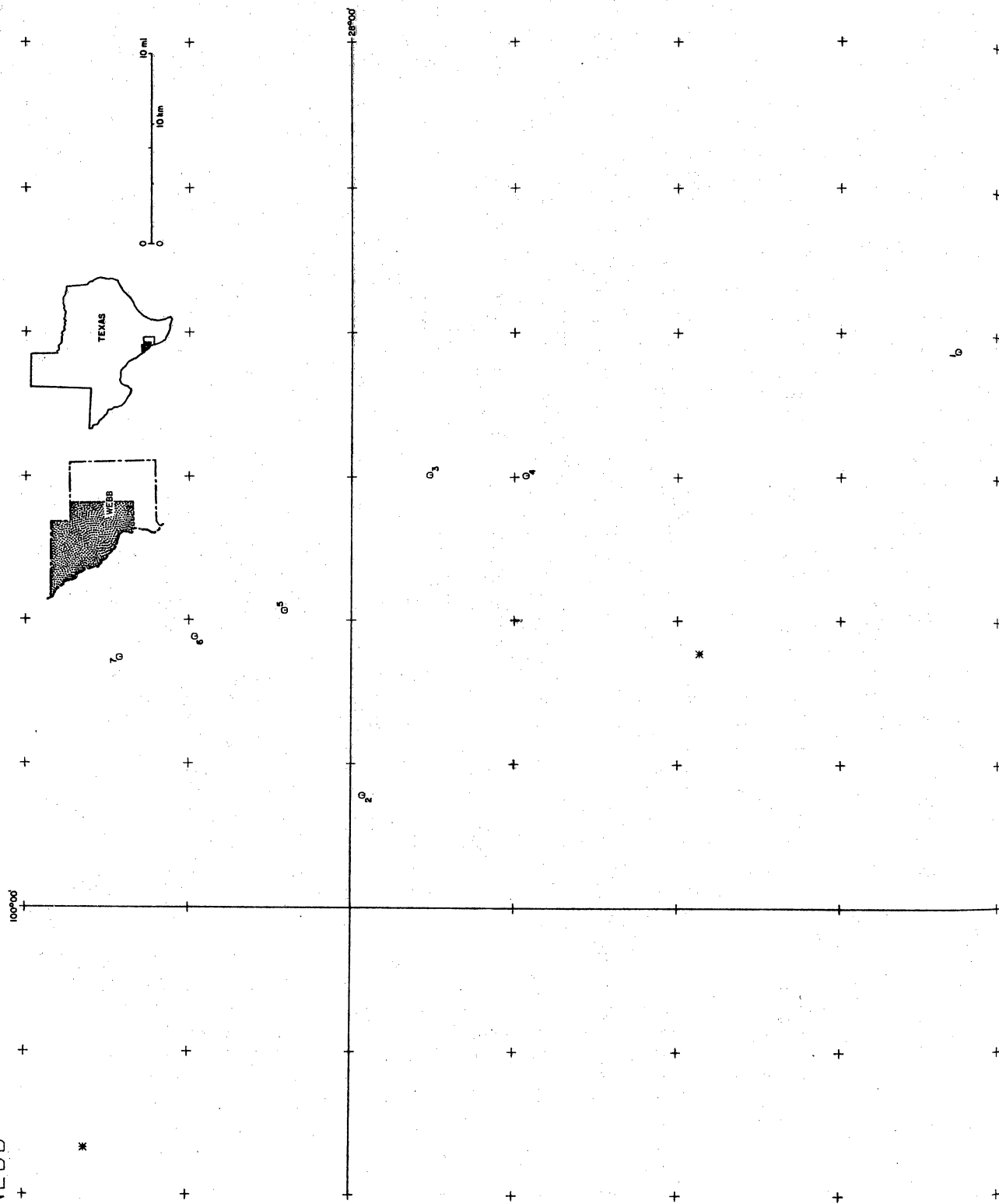
96°00'

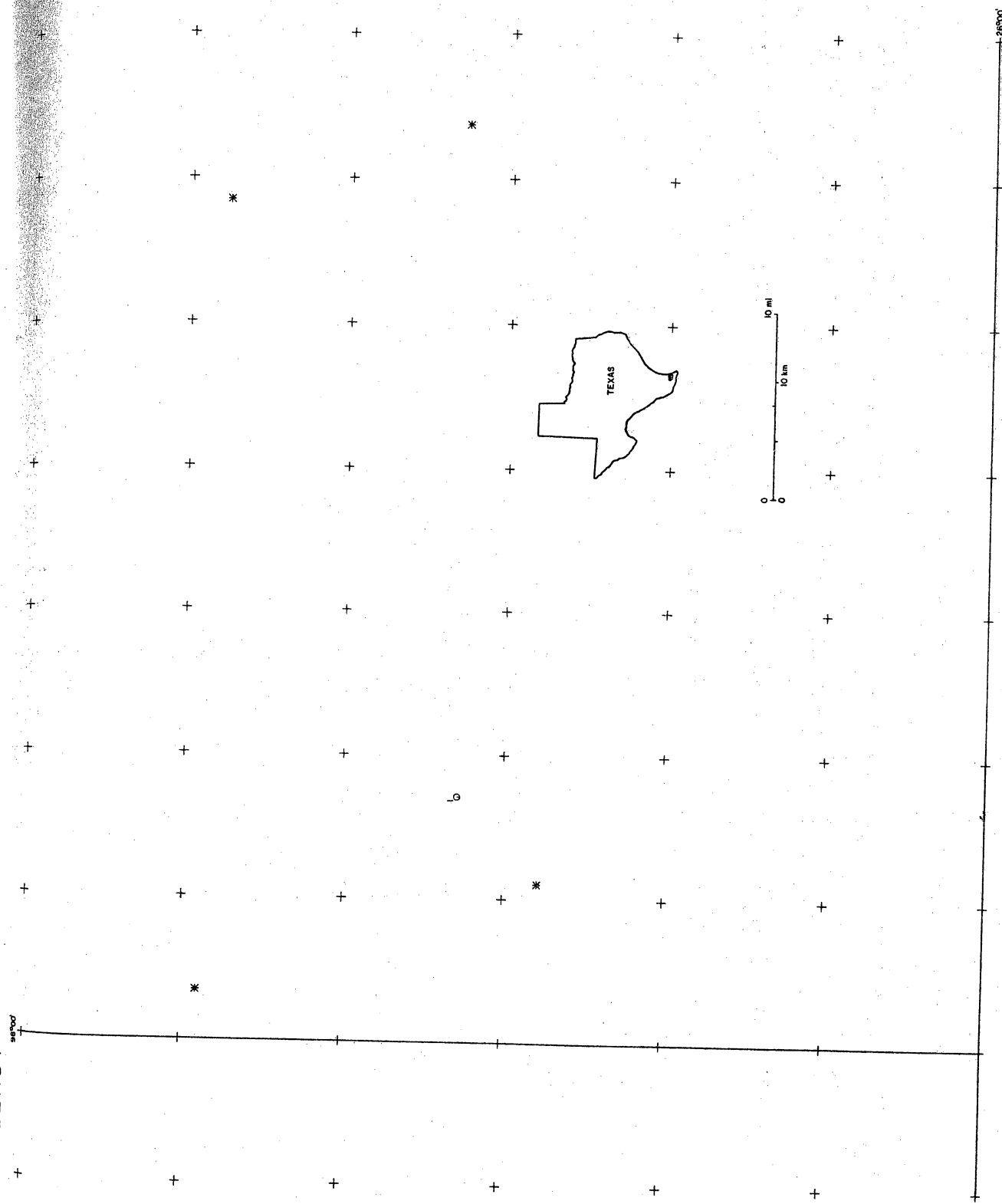
30°00'

ω_2

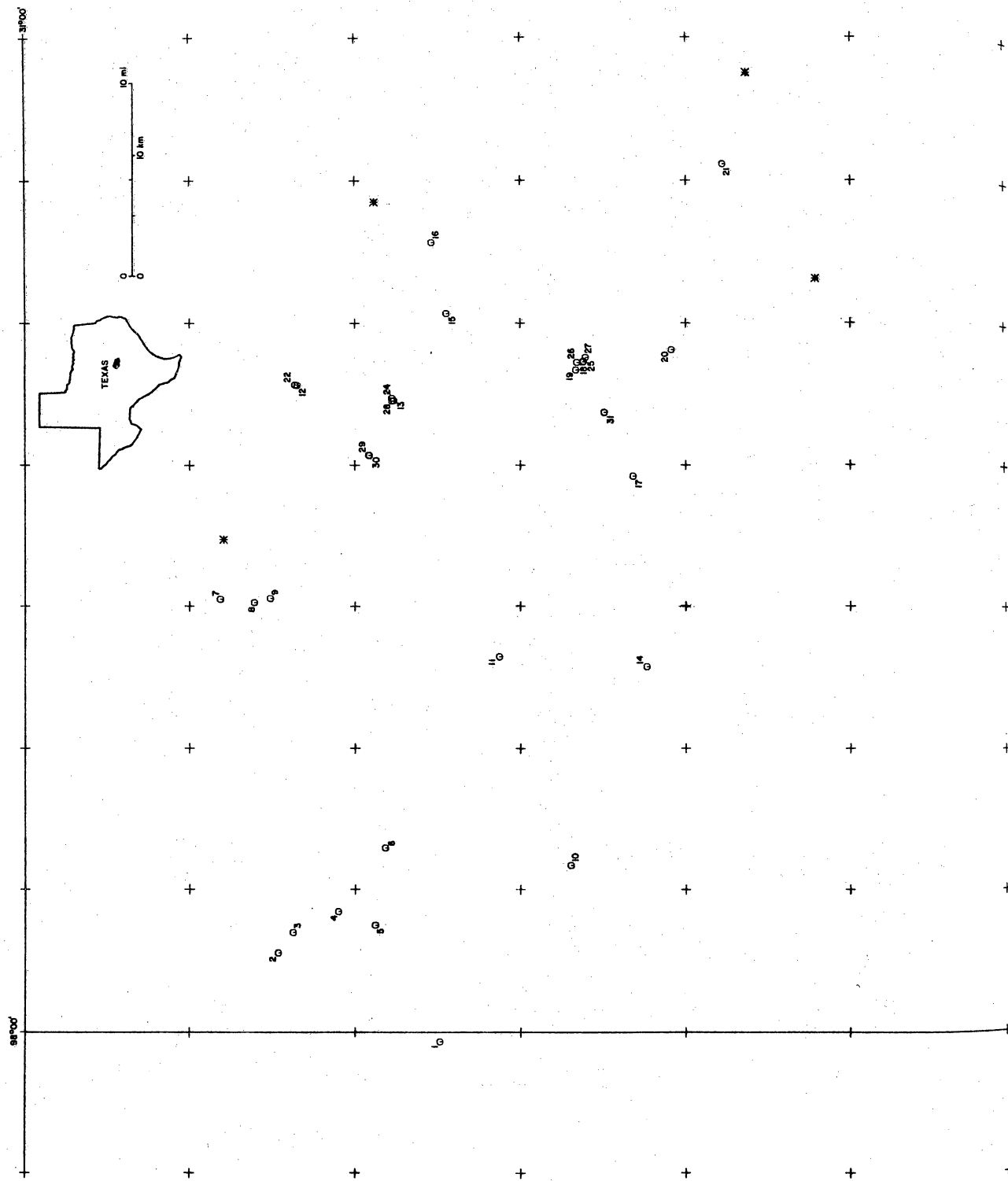
ω_3

WEBB

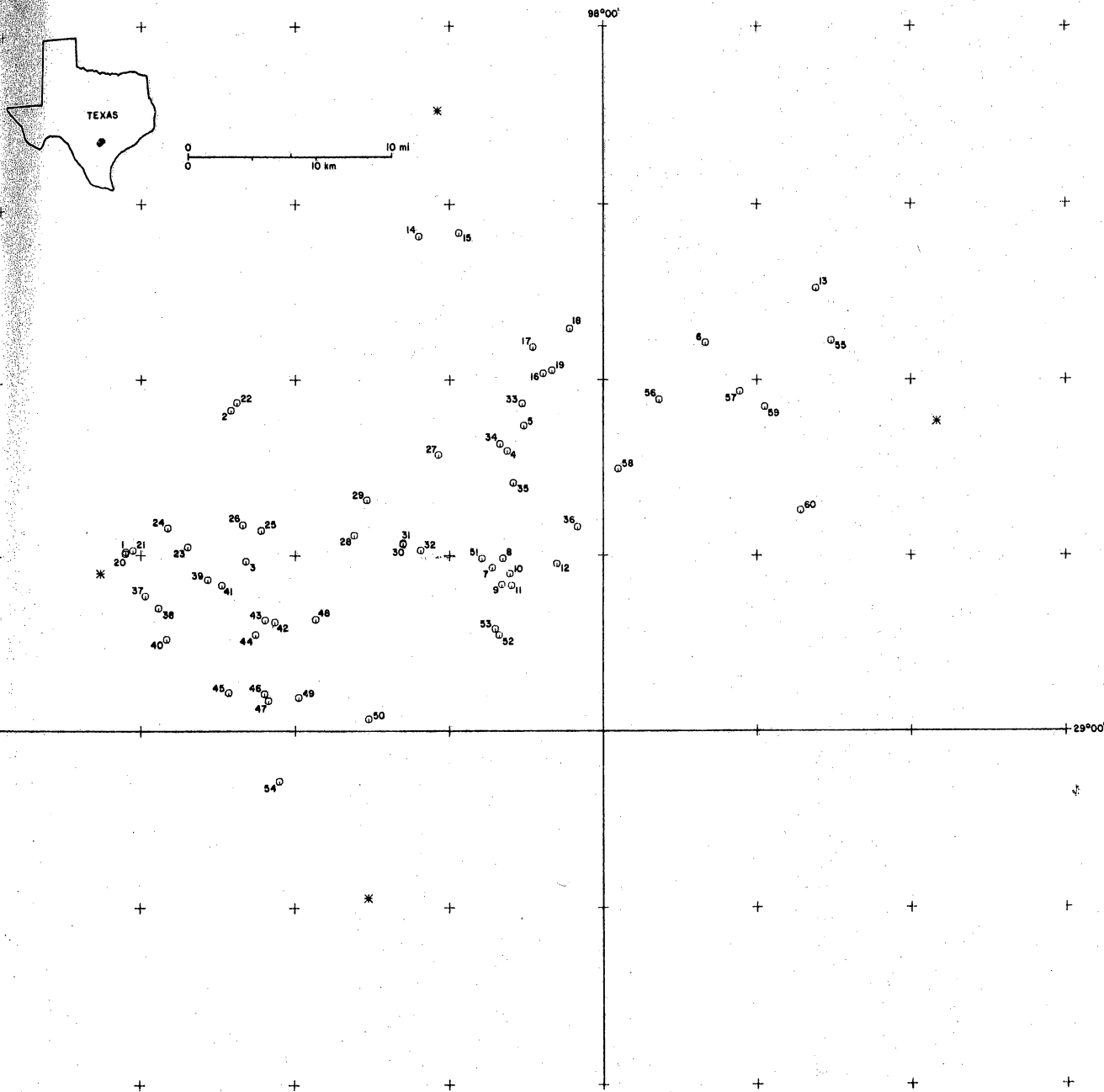




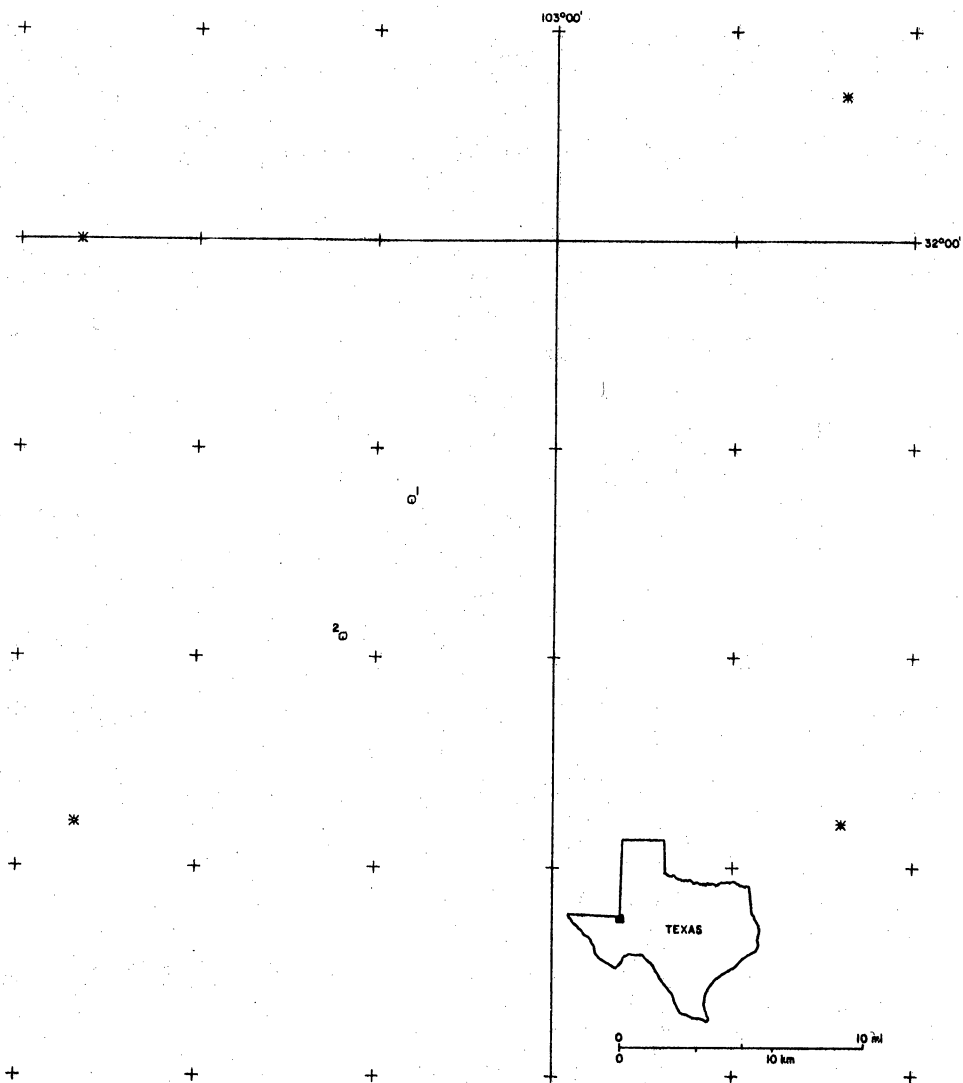
WILLIAMSON



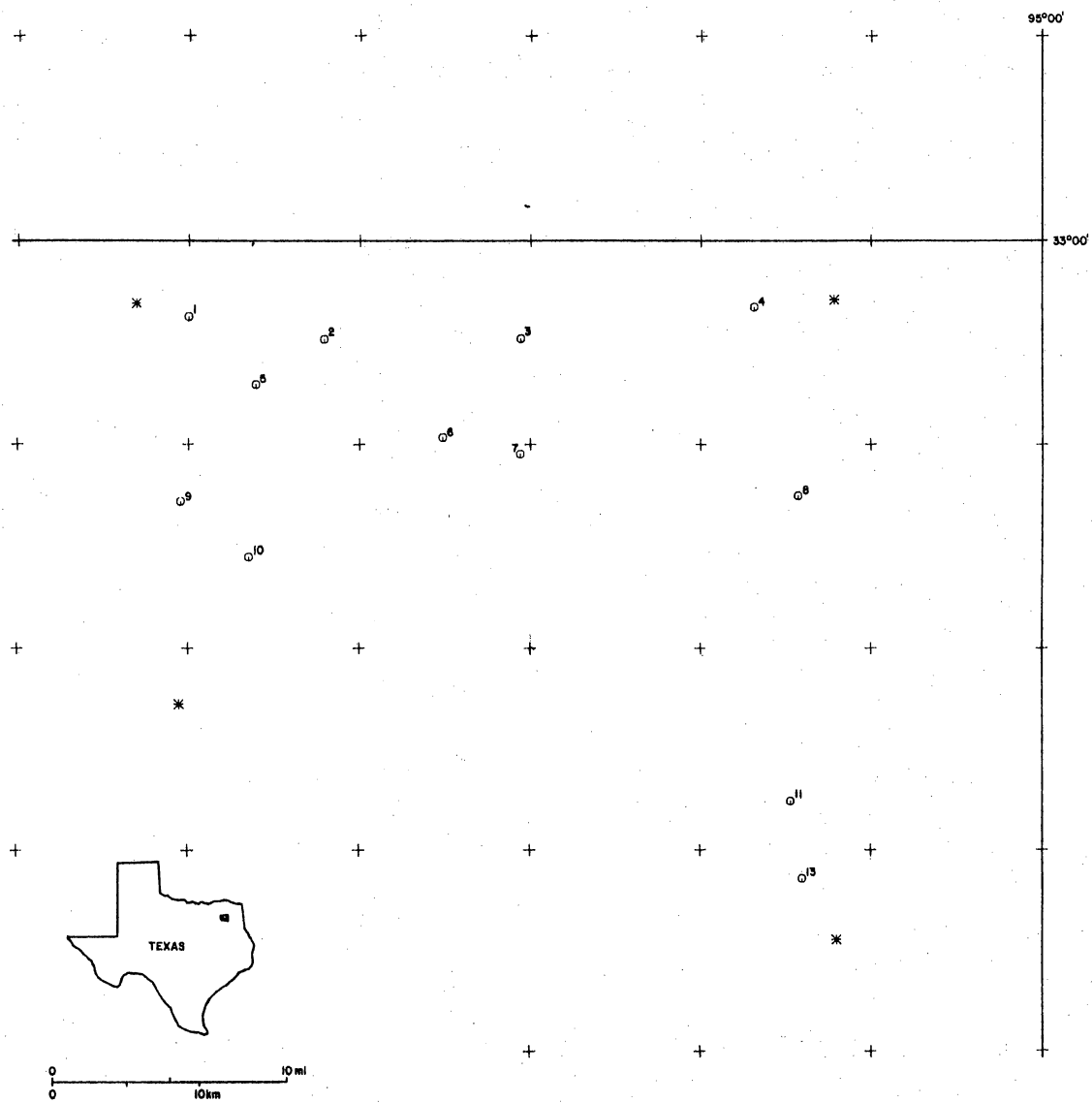
WILSON



WINKLER



WOOD.



YOUNG

