A DATA BASE FOR INLAND SOUTHEAST TEXAS ARCHEOLOGY

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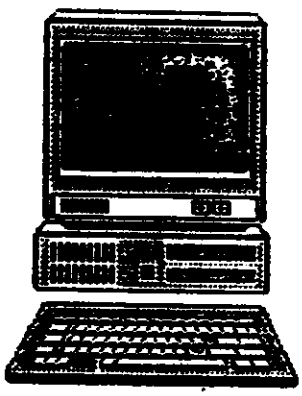

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A DATA BASE FOR INLAND SOUTHEAST TEXAS

Contents of Report

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SECTION 1: GENERAL DISCUSSION

INTRODUCTION

The body of published data for the archeology of Southeast Texas is now sufficiently large to support detailed studies and summaries for this region. Unless the total published body of data is used, studies will be more impressionistic than rigorous. The literature on inland Southeast Texas has grown to a level where it is no longer possible to rely on memory or a few published examples to reach conclusions in research. For many subjects concerning the archeology of this geographic area, the entire body of published literature should be considered in a quantitative manner, which requires tabulation of data. Once the decision has been made to tabulate large amounts of data, the use of a computer becomes obvious. More time is required to enter data into a computer than to simply do a manual tabulation. After data is entered into a computer, however, many things can be done easily that would be very time consuming if done by manual methods. For example, use of a computer permits summaries of tabulations and complex queries to be done quickly and easily, revisions to data can be done easily, and printed reports can be made available with little extra effort.

The data base described here has already been used to prepare a quantitative study of the archeology of inland Southeast Texas (Patterson nd). Several types of queries were used to extract summary data from the computerized data base. For example, summaries of projectile point types were easily obtained for various geographic zones of inland Southeast Texas.

The current data base as published here has entries for 183 sites, and will be expanded as new data becomes available. It is anticipated that a series of updates will be published in the same manner as the bibliographic series (Patterson 1986) of the prehistory of this region. The same 21 county area has been used for this data base as has been used for the bibliographic series, as shown in Figure 1.

This data base is for published sites of inland Southeast Texas. A separate data base for the coastal margin of Southeast Texas may be done in the future. It should be noted that the archeology of the inland subregion covers about 12,000 years, while the archeology of the coastal margin covers only about 3,500 years due to change in sea level (Aten 1983:124). Aten (1983) has published a detailed summary of the archeology of the coastal margin subregion. General summaries that cover the archeology of inland Southeast Texas have been previously published (Patterson 1979, 1983), but the publication of this data base and a separate

summary report (Patterson nd) are the first really detailed publications on this subregion.

DATA BASE DESIGN

The Paradox2 relational data base program has been used for this work, with an IBM 50Z computer. Any IBM compatable computer can be used for this program, but use of a hard disk is advisable and a computer speed of at least 6 MHz is desirable. Paradox is a powerful data base program, but easy to use.

A relational data base allows tables to be linked for making complex queries. In this case, archeological site number is the common data field to link tables. This data base contains 12 computerized tables and non-computerized tabulations of low-frequency types of artifacts. Computerized tables include: basic site data, arrow point types, dart point types (2 tables), ceramic types, lithic tool types, general lithics, terrestrial faunal remains, aquatic faunal remains, radiocarbon dates, miscellaneous artifacts and mortuary data. Details of the types of data in each table are given in Section 2.

To study the geographical distribution of artifact types within this subregion, this area has been subdivided into 3 zones as a separate variable in the basic site data table. Queries can be made by county, zone or total subregion. Counties in the 3 zones are:

Eastern Zone:
San Jacinto, Liberty, Chambers, Polk, Hardin, Jefferson, Jasper, Newton, Orange, Tyler

Central Zone:
Grimes, Walker, Montgomery, Harris, Galveston

Eastern Zone:
Wharton, Washington, Austin, Fort Bend, Brazoria, Waller

The chronological periods used here are the same as given in a previous summary article (Patterson 1979), as follows:

period	time range, years B.P.
Early Paleo-Indian	12,000 to 10,000
Late Paleo-Indian	10,000 to 7,000
Early Archaic	7,000 to 5,000
Middle Archaic	5,000 to 3,500
Late Archaic	3,500 to 1,900
Early Ceramic	1,900 to 1,400
Late Prehistoric	1,400 to 500
Historic Indian	after 500

Time periods for a few sites can be placed by radiocarbon dates. For the bulk of the sites, however, time periods are judged by the use of key artifact types. Clovis and Folsom points represent the Early Paleo-Indian period. The Late Paleo-Indian period is represented by San Patrice, Early Notched, Early Stemmed, Angostura, Plainview, Meserve and Scottsbluff points. The Early Archaic is represented by Carrollton, Trinity and Bell points. The Middle Archaic is represented by Bulverde and Pedernales points, and Kent and Gary points were also present during this time period. The Late Archaic and Early Ceramic periods share several point types, including Gary, Kent, Ellis, Ensor, Yarbrough, Palmillas and Darl. A few sites have Goose Creek Stamped pottery from the Early Ceramic period (Aten 1983:Fig. 14.1). The Early Ceramic period in this region has dart points and ceramics but no bifacial arrow points (unifacial arrow points may be present). The Late Prehistoric period has ceramics and bifacial arrow points. Some Historic Indian sites have glass and metal artifacts. For many of the published sites, estimates of time periods involved have been given by the authors. A summary of projectile point types for each time period has been previously published (Patterson 1983:Table 1).

Only published site reports have been used for this data base, because unpublished site records of the Texas Archeological Research Laboratory generally lack detail. In the future, unpublished site records may be considered where diagnostic types of artifacts have been reported. All of the generally available published site reports for this subregion have been used for this data base. Some contract archeology reports have not been considered, as they have not been generally available.

Because of morphological similarities, several projectile point types have been reclassified for this data base. Clifton arrow points have been reclassified as Perdiz. Dawson dart points have been reclassified as Kent, Neches River side-notched as Ensor, Schumla as Bell, and Godley as Yarbrough. In a few cases, illustrated projectile point types have been reclassified to fit generally accepted type descriptions (Suhm and Jelks 1962, Turner and Hester 1985). In most cases, however, the original type classifications have been used.

In most cases, differentiating between inland and coastal margin sites is clear, by both geographic and environmental criteria. Coastal margin sites are not only on or near the coastline of the Gulf of Mexico, but are also located in a brackish water or seawater environment. Most coastal margin sites have Rangia or oyster shell middens. There are some sites on San Jacinto Bay, now in a brackish water environment, that were formerly in a freshwater environment on the San Jacinto River, before sea level reached its present level. For this data base, this type of site has been classified as an inland site until the Late Archaic period, when the environment changed from freshwater to brackish water. Sites of this type include 41HR 45, 73, 172, 173, 233, 618 and 619.

USE OF THE DATA BASE

A number of uses of this data base can be shown. For example, the basic site data gives a good picture of the current general status of research for inland Southeast Texas. Research publication is not uniform throughout this subregion. Work in Harris County has been given the greatest amount of publication. There are five counties without generally available publications of inland sites (Chambers, Galveston, Jefferson, Newton, Orange).

This data base and associated reference lists can be used as a sophisticated bibliography to find detailed information on many specialized subjects. Sites having specific types of artifacts can be quickly located. Also, data on specific subjects can be easily consolidated. As noted above, control of all of the generally available literature for a region allows quantitative studies to be made that are less impressionistic. This data base facilitated the separate quantitative study of the archeology of this subregion that has already been written (Patterson nd).

Aside from generating regional summary data, this data base has been structured to allow studies of the geographic distributions of sites and artifact types within this region. Three zones have been designated by a separate variable with east-west orientation to permit studies of artifact type distribution gradients that represent the geographic borders of technological traditions of the Southern Plains and Southeastern Woodlands. It has previously been observed (Patterson 1983, 1988) that Southeast Texas shared these technological traditions as a border area. Other geographic breakdowns can be easily obtained, as each archeological site is also classified by county.

Complex queries can be easily done with a relational data base program such as used here. For example, in a few minutes a list could be printed of all Late Archaic sites that have Gary, Kent and Yarbrough points on the same site. The data base user is limited in query types only by types of available data and creativity in formulating queries. For many studies, manual use of the data base tables given here may be sufficient. If many complex queries are anticipated, however, it would be advisable to use the data base in computerized form. Data base files (tables) can be made available on either 3.5" or 5.25" disks in Paradox format at a small cost. Possibly, dBASE II and dBASE III formats can also be made available as translated by a Paradox program output option.

REFERENCES FOR GENERAL DISCUSSION

Aten, L.E.
1983 Indians of the Upper Texas Coast. Academic Press

Patterson, L.W.
1979 A Review of the Prehistory of the Upper Texas Coast. Bulletin of the Texas Archeological Society 50:103-123

1983 Prehistoric Settlement and Technological Patterns in Southeast Texas. Bulletin of the Texas Archeological Society 54:253-269

1986 Bibliography of the Prehistory of the Upper Texas Coast, No. 6. Houston Archeological Society, Special Publication.

1988 Technological Interactions in Central and Southeast Texas. Houston Archeological Society Journal 90:18-22

n.d. THe Archeology of Inland Southeast Texas. A Quantitative Study. submitted to Bulletin of the Texas Archeological Society

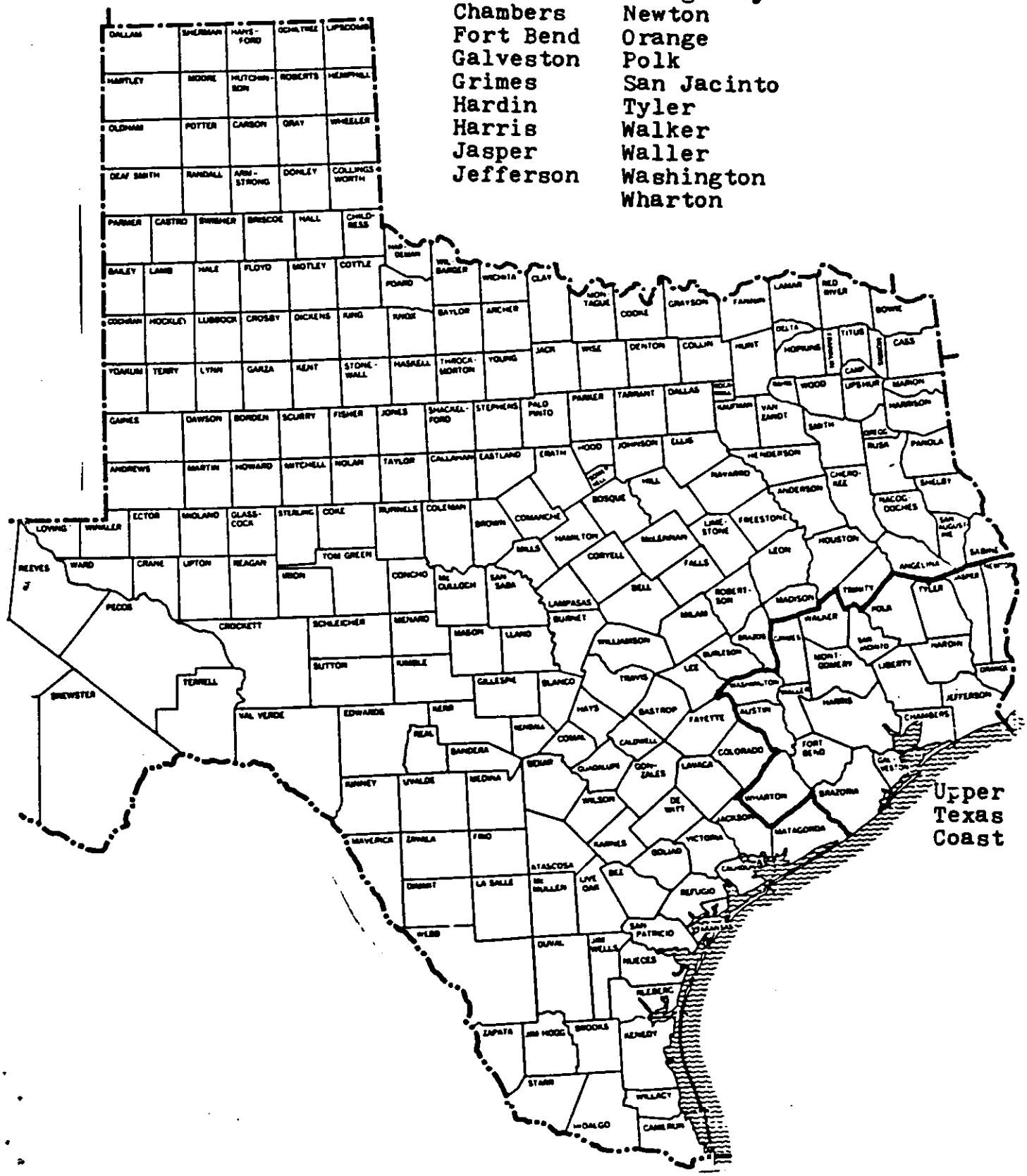
Suhm, D.A. and E.B. Jelks
1962 Handbook of Texas Archeology: Type Descriptions. Texas Archeological Society, Special Publication No. 1

Turner, E.S. and T.R. Hester
1985 A Field Guide to Stone Artifacts of Texas Indians. Texas Monthly Press

FIGURE 1
AREA OF BIBLIOGRAPHY

Counties Included:

Austin	Liberty
Brazoria	Montgomery
Chambers	Newton
Fort Bend	Orange
Galveston	Polk
Grimes	San Jacinto
Hardin	Tyler
Harris	Walker
Jasper	Waller
Jefferson	Washington
	Wharton



SECTION 3: DATA BASE TABLE EXPLANATIONS

The data base tables in Section 3 consist of 12 computerized tables and a non-computerized tabulation of low-frequency artifact types. The first column in each computerized table is the archeological site number, which allows linking of tables for queries with a relational data base program. Abbreviations have been used for some column labels to obtain more compact printouts. All printed tables in this report have been limited to letter size paper by using different print sizes. The contents of each of the computerized data tables are as follows:

BASIC SITE DATA, TABLE 1
(file name: BASDATI)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	county	CO.	alpha
3	zone	ZONE	alpha
4	work type	WORK	alpha
5	Paleo-Indian	PALO	alpha
6	Archaic, all subs.	ARALL	alpha
7	Archaic, general	ARGEN	alpha
8	Early Archaic	EARCH	alpha
9	Middle Archaic	MARCH	alpha
10	Late Archaic	LARCH	alpha
11	Early Ceramic	SCER	alpha
12	Late Prehistoric	LPRE	alpha
13	Historic Indian	HIST	alpha
14	Site Type	Type	alpha

Column	Codes
3	W= western, C= central, E= eastern
4	E= excavated, S= surface collection
5-13	Y= present
14	SANDM= sand midden, SHELM= shell midden

ARROW POINTS, TABLE 2
(file name: APTSI)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	Perdiz	PERD	numeric
3	Scallorn	SCAL	numeric
4	Catahoula	CATA	numeric
5	Alba	ALBA	numeric
6	Bassett	BASS	numeric
7	Fresno	FRES	numeric
8	Cuney	CUNY	numeric
9	Leaf Shaped	LEAF	numeric
10	Edwards	EDWD	numeric
11	Bonham	BONH	numeric
12	Bulbar Stemmed	BULB	numeric
13	unclassified	MISC	numeric
14	arrow point preform	APRE	numeric
15	unifacial	UNIF	numeric

FIRST DART POINTS, TABLE 3
(file name: DPTS1I)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	Clovis	CLVIS	numeric
3	Early Notched	ENTCH	numeric
4	Early Stemmed	ESTEM	numeric
5	San Patrice	SNPAT	numeric
6	Plainview	PLAIN	numeric
7	Scottsbluff	SCOTS	numeric
8	Angostura	ANGOS	numeric
9	Meserve	MESRV	numeric
10	Carrollton	CAROL	numeric
11	Trinity	TRINI	numeric
12	Bell	BELL	numeric
13	Bulverde	BULV	numeric
14	Bulverde-like	LBUL	numeric
15	Wells	WELLS	numeric
16	Morhiss	MORHS	numeric
17	Williams	WILMS	numeric
18	Pedernales	PEDER	numeric

SECOND DART POINTS, TABLE 4
(file name: DPTS2I)

Column	Item	Name	Column Type
1	Site number	SITE	alpha
2	Gary	GARY	numeric
3	Kent	KENT	numeric
4	Ellis	ELLIS	numeric
5	Ensor	ENSOR	numeric
6	Palmillas	PALMI	numeric
7	Yarbrough	YARBO	numeric
8	Darl	DARL	numeric
9	unclassified	NCLAS	numeric
10	dart point preform	DPREF	numeric
11	triangular	TRIAN	numeric
12	leaf shaped	LEAFS	numeric
13	Travis	TRAVI	numeric
14	Marcos	MARCO	numeric
15	Fairland	FAIRL	numeric
16	Ponchartrain	PONCH	numeric
17	Evans	EVANS	numeric

CERAMICS, TABLE 5

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	Goose Creek Plain	GCP	numeric
3	Goose Creek Incised	GCI	numeric
4	Goose Creek Cord Impressed	GCCI	numeric
5	Conway	CONW	numeric
6	Rockport Plain	RKPL	numeric
7	Rockport Asphalt Decorated	RKAP	numeric
8	Bone Tempered	BONE	numeric
9	San Jacinto Plain	SJPL	numeric
10	San Jacinto Incised	SJIN	numeric
11	Tchefuncte	TCHR	numeric
12	Goose Creek Stamped	GCST	numeric
13	Caddo types	CADO	numeric
14	lace holes	LACE	numeric

RADIOCARBON DATES, TABLE 6
(file name: DATESI)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	date 1 (years B.P.)	DATE1	numeric
3	date 2	DATE2	numeric
4	date 3	DATE3	numeric
5	date 4	DATE4	numeric
6	date 5	DATE5	numeric
7	date 6	DATE6	numeric

LITHIC TOOLS, TABLE 7
(file name: TOOLSI)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	scraper	SCRP	numeric
3	notched tool	NTCH	numeric
4	denticulate	DENT	numeric
5	bifacial knive	KNIF	numeric
6	unifacial cutting tool	CUTT	numeric
7	graver	GRAV	numeric
8	scraper/graver	SCGR	numeric
9	perforator, unifacial	UPRF	numeric
10	perforator, bifacial	BPRF	numeric
11	inset blade	INBL	numeric
12	chopper	CHPR	numeric

GENERAL LITHICS, TABLE 8
(file name: GLITHIN)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	small flake, under 15 mm sq.	SFLK	numeric
3	large flake, over 15 mm sq.	LFLK	numeric
4	large pris. blade, over 15 mm W	LBLD	numeric
5	small pris. blade, under 15 mm W	SBLD	numeric
6	blade cores and trim flakes	BCOR	numeric
7	general cores	CORE	numeric
8	heat treating	HTTR	alpha
9	exotic chert	EXOT	alpha
10	hammerstone	HAMR	numeric
11	chert cobbles and frags.	COBL	numeric

Columns 8, 9: Y= present

TERRESTRIAL FAUNAL REMAINS, TABLE 9
(file name: FAUNALTI)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	deer	DEER	alpha
3	land turtle	LTRT	alpha
4	snake	SNAK	alpha
5	rat	RAT	alpha
6	land bird	LBRD	alpha
7	bison	BISN	alpha
8	rabbit	RABB	alpha
9	gopher	GOPH	alpha
10	skunk	SKUN	alpha
11	mouse	MOUS	alpha
12	raccoon	RACC	alpha
13	opossum	OPOS	alpha
14	badger	BADG	alpha
15	antelope	ANTL	alpha
16	squirrel	SQRL	alpha

Columns 2 to 16: Y= present

AQUATIC FAUNAL REMAINS, TABLE 10
(file name: FAUNALAI)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	shellfish	SHEL	alpha
3	alligator	ALLI	alpha
4	waterfowl	WBRD	alpha
5	pond turtle	WTRT	alpha
6	gar	GAR	alpha
7	miscellaneous fish	MFSH	alpha
8	frog	FROG	alpha
9	mink	MINK	alpha
10	shark	SHRK	alpha
11	catfish	CATF	alpha
12	drum	DRUM	alpha
13	redfish	REDF	alpha
14	sea trout	STRT	alpha
15	bass	BASS	alpha
16	bowfin	BFIN	alpha
17	sunfish	SFSH	alpha

Columns 2 to 17: Y= present

MISCELLANEOUS ARTIFACTS, TABLE 11
(file name: MISC1IN)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	clayballs, general	CLAY	numeric
3	hearths	HRTH	alpha
4	red ochre	OCHR	numeric
5	asphalt	ASPH	alpha
6	sandstone	SSTN	alpha
7	incised bone	INBN	numeric
8	grooved stone	GVST	numeric
9	mano	MANO	numeric
10	metate	META	numeric
11	bead	BEAD	alpha

Columnn 3: CL=clayballs, ST= stone, CA= caliche
Columns 5, 6: Y= present
Column 11: SH= shell, ST= stone, BN= bone

MORTUARY DATA, TABLE 12
(file name: BURIALI)

Column	Item	Name	Column Type
1	site number	SITE	alpha
2	articulated?	ARTI	alpha
3	number of burials	NUM	numeric
4	grave goods?	GODS	alpha
5	burial type	BTYP	alpha
6	direction of body	DIRB	alpha
7	violent death?	VIOL	alpha
8	disease?	DISE	alpha

Columns 2, 4, 7, 8: Y=present
Column 5: FL= flexed, EX= extended
Column 6: abbrev. compass direction

SITE	CO.	ZONE	WORK	PALO	ARALL	ARGEN	EARCH	MARCH	LARCH	ECER	LPRE	HIST	TYPE
AU001	AU	W	E	Y	Y		Y	Y	Y	Y	Y		SANDM
AU004	AU	W	S					Y	Y	Y			SANDM
AU007	AU	W	S	Y				Y	Y	Y	Y		SANDM
AU018	AU	W	S	Y									SANDM
AU031	AU	W	E								Y		SANDM
AU036	AU	W	E					Y	Y	Y	Y		SANDM
AU037	AU	W	E					Y	Y	Y	Y		SANDM
AU038	AU	W	E						Y	Y	Y		SANDM
AU055	AU	W	E						Y				SANDM
BO025	BO	W	S	Y				Y					SANDM
BO027	BO	W	S	Y				Y	Y	Y	Y		SANDM
BO028	BO	W	S	Y				Y					SANDM
BO167	BO	W	S								Y	Y	SANDM
FB013	FB	W	S						Y	Y			SANDM
FB032	FB	W	E					Y	Y				SANDM
FB034	FB	W	E					Y					SHELM
FB037	FB	W	E				Y						SHELM
FB042	FB	W	E	Y	Y		Y	Y	Y	Y	Y		SANDM
FB043	FB	W	E								Y		SANDM
FB070	FB	W	E							Y	Y		SANDM
FB071	FB	W	E					Y	Y	Y	Y		SANDM
FB072	FB	W	E					Y	Y	Y	Y		SANDM
FB095	FB	W	S	Y	Y		Y	Y	Y		Y		SANDM
FB101	FB	W	S							Y	Y		SANDM
FB102	FB	W	S	Y					Y	Y	Y		SANDM
FB119	FB	W	E						Y	Y	Y		SANDM
FB129	FB	W	S						Y	Y	Y		SANDM
FB158	FB	W	S	Y				Y	Y		Y		SANDM
GM081	GM	C	E					Y					SANDM
HN012	HN	E	S						Y	Y	Y		SANDM
HR004	HR	C	S						Y				SANDM
HR005	HR	C	E	Y	Y		Y	Y	Y	Y	Y		SANDM
HR006	HR	C	SE							Y	Y		SANDM
HR007	HR	C	E							Y	Y		SANDM
HR008	HR	C	E							Y	Y		SANDM
HR045	HR	C	S					Y					SANDM
HR073	HR	C	S	Y	Y		Y	Y	Y				SANDM
HR089	HR	C	S	Y	Y		Y	Y	Y	Y	Y		SANDM
HR139	HR	C	S						Y	Y	Y		SANDM
HR154	HR	C	S								Y		SANDM
HR155	HR	C	S			Y							SANDM
HR172	HR	C	S	Y									SANDM
HR173	HR	C	S	Y				Y					SANDM
HR182	HR	C	S	Y	Y		Y	Y	Y	Y	Y		SANDM
HR183	HR	C	S							Y	Y		SANDM
HR185	HR	C	S		Y		Y	Y	Y	Y	Y		SANDM
HR186	HR	C	S							Y	Y		SANDM
HR194	HR	C	S	Y									SANDM
HR206	HR	C	S	Y	Y		Y	Y	Y	Y	Y		SANDM
HR207	HR	C	S							Y	Y		SANDM
HR208	HR	C	S								Y		SANDM

SITE	CO.	ZONE	WORK	PALO	ARALL	ARGEN	EARCH	MARCH	LARCH	ECER	LPRE	HIST	TYPE
HR209	HR	C	S	Y	Y		Y	Y	Y	Y	Y		SANDM
HR210	HR	C	S						Y	Y	Y		SANDM
HR213	HR	C	S								Y		SANDM
HR214	HR	C	S							Y	Y		SANDM
HR215	HR	C	S							Y	Y		SANDM
HR217	HR	C	S							Y			SANDM
HR223	HR	C	S		Y		Y	Y	Y	Y			SANDM
HR226	HR	C	S	Y					Y				SANDM
HR233	HR	C	S	Y			Y						SANDM
HR240	HR	C	S	Y									SANDM
HR241	HR	C	E					Y	Y	Y	Y		SANDM
HR244	HR	C	S	Y	Y		Y	Y	Y	Y	Y		SANDM
HR245	HR	C	S							Y	Y		SANDM
HR246	HR	C	S							Y			SANDM
HR247	HR	C	S							Y	Y		SANDM
HR248	HR	C	S								Y		SANDM
HR249	HR	C	S							Y			SANDM
HR250	HR	C	S		Y		Y	Y	Y				SANDM
HR251	HR	C	S						Y				SANDM
HR252	HR	C	S								Y		SANDM
HR253	HR	C	S								Y		SANDM
HR254	HR	C	S								Y		SANDM
HR255	HR	C	S								Y		SANDM
HR256	HR	C	S					Y	Y	Y			SANDM
HR257	HR	C	S							Y	Y		SANDM
HR258	HR	C	S						Y				SANDM
HR259	HR	C	S	Y	Y		Y	Y	Y				SANDM
HR267	HR	C	S							Y			SANDM
HR268	HR	C	S		Y		Y	Y	Y				SANDM
HR269	HR	C	S							Y	Y		SANDM
HR273	HR	C	S	Y					Y	Y	Y		SANDM
HR274	HR	C	S							Y	Y		SANDM
HR278	HR	C	SE							Y	Y		SANDM
HR279	HR	C	S		Y		Y	Y	Y	Y	Y		SANDM
HR280	HR	C	S							Y			SANDM
HR281	HR	C	S						Y	Y	Y		SANDM
HR282	HR	C	S	Y	Y		Y	Y	Y	Y	Y		SANDM
HR283	HR	C	S		Y		Y	Y	Y	Y			SANDM
HR284	HR	C	S						Y	Y	Y		SANDM
HR285	HR	C	S	Y						Y			SANDM
HR286	HR	C	S							Y			SANDM
HR287	HR	C	S						Y	Y			SANDM
HR288	HR	C	S								Y		SANDM
HR290	HR	C	SE	Y			Y						SANDM
HR291	HR	C	S						Y				SANDM
HR292	HR	C	S							Y			SANDM
HR293	HR	C	S								Y		SANDM
HR297	HR	C	S							Y			SANDM
HR298	HR	C	S							Y	Y		SANDM
HR299	HR	C	S						Y				SANDM
HR301	HR	C	S								Y		SANDM
HR304	HR	C	S							Y			SANDM

SITE	CO.	ZONE	WORK	PALO	ARALL	ARGEN	EARCH	MARCH	LARCH	ECER	LPRE	HIST	TYPE
HR315	HR	C	E	Y	Y		Y	Y	Y	Y	Y		SANDM
HR332	HR	C	S	Y									SANDM
HR436	HR	C	E							Y	Y		SANDM
HR442	HR	C	S								Y		SANDM
HR462	HR	C	S								Y		SANDM
HR466	HR	C	S								Y		SANDM
HR499	HR	C	S							Y			SANDM
HR511	HR	C	S								Y		SANDM
HR518	HR	C	S								Y		SANDM
HR525	HR	C	S	Y	Y		Y	Y	Y	Y	Y		SANDM
HR541	HR	C	E							Y	Y		SANDM
HR571	HR	C	S	Y	Y		Y	Y	Y	Y	Y	Y	SANDM
HR618	HR	C	S	Y				Y					SANDM
HR619	HR	C	S	Y				Y					SANDM
JP099	JP	E	S	Y				Y	Y	Y	Y		SANDM
JP100	JP	E	S	Y					Y	Y	Y		SANDM
JP101	JP	E	S	Y				Y	Y	Y	Y		SANDM
LB002	LB	E	E						Y	Y	Y		SANDM
LB015	LB	E	S	Y					Y	Y	Y		SANDM
LB020	LB	E	S						Y	Y	Y		SANDM
LB027	LB	E	S	Y				Y	Y	Y	Y		SANDM
LB059	LB	E	S					Y	Y	Y	Y		SANDM
LB060	LB	E	S	Y				Y	Y	Y	Y		SANDM
LB061	LB	E	S	Y				Y	Y	Y	Y		SANDM
LB066	LB	E	S	Y	Y		Y	Y	Y	Y	Y		SANDM
LB071	LB	E	S						Y	Y	Y		SANDM
LB072	LB	E	S					Y	Y	Y	Y		SANDM
LB073	LB	E	S					Y	Y	Y	Y		SANDM
LB074	LB	E	S					Y	Y	Y	Y		SANDM
LB078	LB	E	S	Y					Y	Y	Y		SANDM
LB080	LB	E	S	Y				Y	Y	Y	Y		SANDM
MQ004	MQ	C	E					Y	Y	Y	Y		SANDM
MQ005	MQ	C	E						Y	Y	Y		SANDM
MQ006	MQ	C	E						Y	Y	Y		SANDM
MQ044	MQ	C	E			Y							SANDM
MQ048	MQ	C	E			Y							SANDM
PK008	PK	E	E						Y	Y	Y		SANDM
PK021	PK	E	E						Y	Y	Y		SANDM
PK069	PK	E	E	Y	Y		Y	Y	Y	Y	Y	Y	SANDM
PK088	PK	E	E						Y	Y	Y		SANDM
PK089	PK	E	E						Y	Y	Y		SANDM
PK171	PK	E	S	Y				Y	Y	Y	Y		SANDM
PK172	PK	E	S	Y				Y	Y	Y	Y		SANDM
PK175	PK	E	S	Y				Y	Y	Y	Y		SANDM
PK176	PK	E	S					Y	Y	Y	Y		SANDM
PK182	PK	E	S					Y	Y	Y	Y		SANDM
PK186	PK	E	S		Y		Y	Y	Y	Y	Y		SANDM
SJ016	SJ	E	E						Y	Y	Y		SANDM
SJ019	SJ	E	E						Y	Y	Y		SANDM
SJ159	SJ	E	S						Y	Y	Y		SANDM
SJ160	SJ	E	SE					Y	Y	Y	Y		SANDM
SJ163	SJ	E	SE	Y					Y	Y	Y		SANDM

SITE	CO.	ZONE	WORK	PALO	ARALL	ARGEN	EARCH	MARCH	LARCH	ECER	LPRE	HIST	TYPE
TL031	TL	E	S	Y	Y		Y	Y	Y	Y	Y		SANDM
TL032	TL	E	S						Y	Y	Y		SANDM
WA055	WA	C	S								Y		SANDM
WA083	WA	C	S	Y									SANDM
WH002	WH	W	SE	Y	Y		Y	Y	Y	Y		Y	SANDM
WH007	WH	W	S	Y	Y		Y	Y	Y				SANDM
WH008	WH	W	S							Y	Y	Y	SANDM
WH010	WH	W	SE	Y	Y		Y	Y	Y	Y	Y		SANDM
WH014	WH	W	E					Y	Y	Y	Y		SANDM
WH016	WH	W	S									Y	SANDM
WH018	WH	W	S					Y	Y	Y	Y		SANDM
WH019	WH	W	SE	Y	Y		Y	Y	Y	Y	Y	Y	SANDM
WH020	WH	W	E							Y	Y		SANDM
WH025	WH	W	E								Y		SANDM
WH026	WH	W	S	Y	Y		Y	Y	Y		Y		SANDM
WH039	WH	W	E						Y				SANDM
WH050	WH	W	E	Y					Y	Y	Y		SANDM
WH051	WH	W	S	Y			Y						SANDM
WH065	WH	W	S					Y	Y	Y	Y		SANDM
WH078	WH	W	S	Y		Y				Y	Y		SANDM
WL014	WL	W	S						Y	Y	Y		SANDM
WL015	WL	W	SE						Y	Y			SANDM
WL016	WL	W	S						Y	Y			SANDM
WL017	WL	W	S						Y	Y	Y		SANDM
WL018	WL	W	S								Y		SANDM
WT00X	WT	W	E					Y	Y	Y	Y		SANDM
WT00Y	WT	W	E					Y	Y				SANDM
WT00Z	WT	W	E							Y	Y		SANDM

SITE	PERD	SCAL	CATA	ALBA	BASS	FRES	CUNY	LEAF	EDWD	BONH	BULB	MISC	APRE	UNIF
AU001	3	4		1		2								
AU007		1												1
AU031	2													
AU037	2	3										2		
AU038	5	11										6		
BO027		1												
BO167	2						5				1			
FB042	2	4		1										
FB043	1											1		
FB071	2	1										1		
FB095	2													
FB101												1		
FB102	1											1		
FB129	1	1										1		
FB158	1													
HN012	13			5										
HR005	16	3	2											
HR006	12		2	1		1			1					
HR007	86	22	26											
HR008	2	2	3											
HR089						1						1		
HR139	1											1		
HR154			2		1									
HR182	19	2	9	2				1					2	2
HR183												1		4
HR185		2							1					7
HR186	3											5		
HR206	1		1							1				24
HR207	1											1		
HR208					1									1
HR209	2													8
HR210	1	1										3		14
HR213				1										
HR214	1													
HR215	2													1
HR223														8
HR241	1											5		
HR244	3	2	2									2		13
HR245												1		2
HR247			2											
HR248	4													3
HR250														2
HR252	2													
HR253		1												
HR254			1	1										
HR255	1	1										1		7
HR257	1		2											
HR267														1
HR269	5		2									2		
HR273	1													
HR274				3										

SITE	PERD	SCAL	CATA	ALBA	BASS	FRES	CUNY	LEAF	EDWD	BONH	BULB	MISC	APRE	UNIF
HR278	3		1	2										
HR279	4											1	1	
HR281	1													
HR282		1												
HR284				1										
HR288		1										1		
HR293	10	3				2								3
HR298	1													
HR301			1											
HR315	7	1	1	1								3	3	54
HR436	1													
HR442	2	1												
HR462	1											1		
HR466			1											
HR511		1												
HR518		1												
HR525				1										1
HR541	1													
HR571	1											1		
JP099	5		1	13										
JP100	4			8										
JP101	1			4										
LB002	12		10	3	2							38		
LB015	9		1											
LB020	9	1	3	7										
LB027	26	1	16	13										
LB059	6			10										
LB060	8		1	7										
LB061	12		1	11										
LB066	14		9	13										
LB071	4		1											
LB072	6			2										
LB073	6		1	6										
LB074	43		8	12						1				
LB078	4	1	2	5										
LB080	17		5	8										
MQ004	1		2											
MQ005	9		5									25		
MQ006	75	1	16	4								100		
PK008	12		4	5	4							9		
PK021			1	1	1							8		
PK069	33		3	5									17	
PK088	94		5	81	12		1			33		131		7
PK089	5		1	9	2							3		
PK171	3			2										
PK172	12		1	11										
PK175	3		1	2										
PK176	7		4	7										
PK182			2	5										
PK186	2			3										
SJ016	1			2	1							2		
SJ019	1		6		3							10		

SITE	PERD	SCAL	CATA	ALBA	BASS	FRES	CUNY	LEAF	EDWD	BONH	BULB	MISC	APRE	UNIF
SJ159												1		
SJ160	9	5	22				2			1		21	27	
SJ163	1					1								
TL031	3		6	2										
TL032	22	1		12										
WH008						30	28				9			
WH010		1											1	
WH014	16	9	1			2			1					
WH016							1							
WH018	1													
WH019	8	6	1						1			1		2
WH020		1		1										
WH025		2							1				1	
WH026	1													
WH050	1													
WH065	1			1					1				2	
WH078												1		
WL014		1										1		
WL017												1		
WT00X	3	4												
WT00Z	1	2												

SITE	CLVIS	ENTCH	ESTEM	SNPAT	PLAIN	SCOTS	ANGOS	MESRV	CAROL	TRINI	BELL	BULV	LBUL	WELLS	MORHS	WILMS	PEDER
AU001						1			1		1	1		1			2
AU004												1				1	1
AU007					1												1
AU018							1										
AU036																	2
AU037														1			
BO025					4							1					
BO027		2			2		2					4			1	1	
BO028					1												1
FB032												1					1
FB034																	2
FB037									1					1			
FB042							1					4		1	1	2	1
FB071										1							
FB072																	1
FB095		2	3	2	1		3		2		1	5	9	2			5
FB102					1		1										
FB158		1			1		1					7					1
GM081																	1
HR005	1	10		2		1			9	8		16				4	2
HR045												2				2	
HR073				2					6			2					
HR089				2	1		3			1	1	3		1	1	3	2
HR172				4													
HR173				5								1				1	
HR182		3	2	1	1		1										
HR185			1									1	2				
HR194				6	12			2									
HR206		3					1		1			4		1		1	1
HR209		1									1	1					
HR223									1			2					
HR226		1															
HR233		3		3	1		1		1		1						
HR240							1	1									
HR241												1					
HR244					2		1		1								1
HR250		1								1						1	
HR256																	1
HR259							1		2	1	1	2					1
HR268											1						
HR273					1												
HR279										1	1		1				1
HR282				1													1
HR283									2					1		1	
HR285				1													
HR290		1		2					1								
HR315			3	1	1		1		10	2	2	20		1		1	1
HR332		1															
HR525		5		5					1	1						1	
HR571	2	5		8	8				1			1					
HR618		1		3	1							1				1	

SITE	CLVIS	ENTCH	ESTEM	SNPAT	PLAIN	SCOTS	ANGOS	MESRV	CAROL	TRINI	BELL	BULV	LBUL	WELLS	MORHS	WILMS	PEDER
HR619				1												1	
JP099				3								1				3	
JP100				5													
JP101				1												1	
LB002																3	
LB015		2		5													
LB027				2								6				1	
LB059												1					
LB060				2								1					
LB061				11				1				2					
LB066		1		5					4			3					
LB072												1					
LB073												3					
LB074												1					
LB078				2													
LB080				1								6				1	
MQ004																	2
PK008														3			
PK069		3										1				4	
PK171												1					
PK172				2								4				3	
PK175												3					
PK176												3					
PK182												4					
PK186									1								
SJ019														2			
SJ160												1			1	1	
SJ163							1										
TL031				3		1			3			2				8	1
WA083				1													
WH002		1		3	1							2				2	10
WH007		1			2						1	1				2	
WH010			1	1	3								2				
WH014												2	4			1	
WH018													7				9
WH019		30	7	8	7	1	1	1	1				4		1	2	2
WH026				1	2						1	1					1
WH050		1															
WH051		1															
WH065												1					5
WH078		2			2												
WT00X																	5
WT00Y																	6

SITE	GARY	KENT	ELLIS	ENSOR	PALMI	YARBO	DARL	NCLAS	DPREF	TRIAN	LEAFS	TRAVI	MARCO	FAIRL	PONCH	EVANS
AU001		4		1	1	3	1					1	2			
AU004		1							1			1				
AU007		1						1								
AU036	28	2		8	3	8		15				2	1	6	1	
AU037	4			1								1				
AU038	1			2			2	1								
AU055				3												
BO027		3	2				2									
BO028		1														
FB013	3	3	1						2							
FB032	1								2							
FB037								1								
FB042	3	2				2										
FB043									1							
FB071	2	1			1	1										
FB072			1		1											
FB095	11	15	6	8		6	3			2			1	2		
FB101		3						1								
FB102	5	8				2		3	3				1			
FB119	1					1										
FB129	1	1	1						1							
FB158	5	5	1	3		1	1	7	6	3						
HN012	36	8	2	1												
HR004	1										4					
HR005	205		5			13	2	2								
HR006	7	1					1									
HR007	47		1	2			2	9	28		3					
HR008	17		2	1				3	2		2					
HR073	38	120	2	7	3	6	1	7		1	1			1		
HR089	17	20	9	2	33	7		61	41	2	2		2			
HR139	8	3						2	1							
HR154	1															
HR155								1								
HR182	89	12	5			4	7	42	145		1					
HR183								1								
HR185	8	2				2		4								
HR186						1										
HR194											1					
HR206	2	5	1			1		40	1		2	1				
HR207											1					
HR209	1		2								1					
HR210	1	1	1		1			6								
HR214		1														
HR215		1									2					
HR217	1															
HR223			2					5	1							
HR226	1															
HR241	6	8						10		1						
HR244	10	7	2				1	15	7							
HR245								1								
HR247								2								

SITE	GARY	KENT	ELLIS	ENSOR	PALMI	YARBO	DARL	NCLAS	DPREF	TRIAN	LEAFS	TRAVI	MARCO	FAIRL	PONCH	EVANS
HR248								1								
HR249	1															
HR250	1		1					1	1							
HR251		1						1								
HR256								2								
HR257		1														
HR258	3							1								
HR259	1	1	4		8	2	2	29			1					
HR267	1	1						1								
HR268	2				1			1								
HR269	4	1														
HR273	44	8				1	1	2	12							
HR274	2								1							
HR278	1	1			1	1		1								
HR279	11	16				1		8								
HR280	1	1							1							
HR281	5	2				5										
HR282	6	2	2		1	1		10					1			
HR283	3	1			5	2		12	4							
HR284	1	2				1			3							
HR286									1							
HR287	1				1	3		2								
HR291		2							2							
HR292	1				1											
HR293								2	3							
HR297	1															
HR298		1														
HR299	1															
HR304	1				2											
HR315	19	30	10	1	3	5	6	148	68	3	1				2	
HR436		3						2								
HR525	8			2				5	3							
HR571	1															12
JP099		46	27	12	3	12	5									
JP100		10	6	1		4										
JP101	13	9			4		7									
LB002	9	4		2	1			19								
LB015	30	18	2	3												
LB020	8	9	2		1											
LB027	92	67	5	6	9	13	1									
LB059	6	10	3		3	5										
LB060	30	22	2													
LB061	66	35	3	6	3	5										
LB066	30	48	9	3	5	5	13									
LB071	6	4	3	2	1	4										
LB072	4	16			2											
LB073	46	20				2	1									
LB074	20	16	4	3	1	2	4									
LB078	12	25	2	4	1											
LB080	32	29		2	5	7	3									
MQ004	12	56			12			26								
MQ005	97	42			7			52								

SITE	GARY	KENT	ELLIS	ENSOR	PALMI	YARBO	DARL	NCLAS	DPREF	TRIAN	LEAFS	TRAVI	MARCO	FAIRL	PONCH	EVANS
MQ006	85	22			5			32								
MQ048									1							
PK008	21				1			3		1	2				3	
PK021	10				1	8		7								
PK069	9	7				1		27	11							
PK088	170	14	17		35			303							3	
PK089	27				7	14		18								
PK171	34	18	2	3	7	4	1									
PK172	33	34	9	3	7	9	3									
PK175	33	17	2	2			1									
PK176	27	56	3	4	6	3	3									
PK182	83	40	3			5										
PK186	12	20	2	2	3	3										
SJ016	11			1	2			19		1						
SJ019	41				2			3		1					2	
SJ159	7	5							1							
SJ160	91	16						7	45						1	
SJ163	4														1	32
TL031	26	35	26	9	8	27	14									
TL032	10	8										1				
WH002	1	5	2	3	1	3	5		7							
WH007	1	1								5				1		
WH008							3	3	11				1			
WH010	2	6		2				44	9							
WH014	4	3	3	1		2		2								
WH016											1					
WH018	5	14	1			3	1	4	1		2	6	1	1		
WH019	9	9	2	1	3	2		11	70							
WH020						1		1	1							
WH026			1			2	1		16	1						
WH050		1						2	4							
WH051									22							
WH065	4			2				6	9							
WH078																
WL014	1		1			1										
WL015	1								2							
WL016								6								
WL017	1							3								
WT00X	11	9	2	1	7	4		6		1						
WT00Y	1							5								
WT00Z		2	2													

SITE	GCP	GCI	GCCI	CONW	RKPL	RKAP	BONE	SJPL	SJIN	TCHR	GCST	CADO	LACE
AU001	45						1	1					
AU004	1												
AU007	2												
AU031	27						13	1					
AU036	25	3											
AU037	57	1						31					
AU038	280	1					37	92					
BO167	10					10							
FB013	100												
FB037	1												
FB042	430												
FB043	25												
FB070	5			2				2					
FB071	41	1		17			4	5	1				
FB072	8						1		1				
FB101	4	1											
FB102	3	1											
FB119	4			1									
FB129	7												
HR005	60	2			1						5		
HR006	252	5		6							1		4
HR007	282	6											
HR008	185	3											
HR089	267	10					3						
HR139	119	1					17						
HR154	25												
HR182	742	2											1
HR183	3												
HR185	199	14											1
HR186	14							2					
HR206	71			6									1
HR208	3												
HR209	47	3											2
HR210	29												
HR215	6												
HR217	7												
HR223	4			7			2						
HR241	193			9				10		1			
HR244	136	2											1
HR245	1												
HR246	1												
HR247	10												
HR248	7						3						
HR255	1												
HR256							1						
HR257	43	2											
HR267	9			1							1		
HR269	167							6					
HR273	1210			26				4					
HR274	8							2					
HR278	109							5					

SITE	GCP	GCI	GCCI	CONW	RKPL	RKAP	BONE	SJPL	SJIN	TCHR	GCST	CADO	LACE
HR279	1299	17						5					18
HR280	7							1					
HR281	13							3					
HR282	12							1					
HR283	14												
HR284										1			
HR285	7												
HR286	3												
HR287	1												
HR292	14												
HR293	20	1											
HR297	3	1											
HR298	38												
HR301	5								2				
HR304	26												
HR315	223	4		59			54						
HR436	7												
HR442	1												
HR499											1		
HR518	1												
HR525	60												
HR541	21			7									
HR571	45	1		1			1						
LB002	1165	32			5		10	93	11				
MQ004	168												
MQ005	244						3	23	1			2	
MQ006	1166	3			1		55	45	2			13	
PK008	2060	25					25	49				38	
PK021	353							6					
PK069	146						14	64	9			23	
PK088	3198	24					89	208	93			137	
PK089	349	2					18	79	1			15	
SJ016	413						19	45	13			9	
SJ019	1015						19	21	8			7	
SJ160	1542	31											9
SJ163	19												
WA055												1	
WH002				1									
WH008					4800	3200							
WH010	10						7						
WH016	24					1							
WH018	1												
WH019	294	12		1	35	9	6					1	
WH020	95	1						1					1
WH025	201						2						
WH050	12												
WH065	4												
WH078	18												
WL014	1												
WL015	2						1						
WL016							1						
WL017	3						1						

SITE	GCP	GCI	GCCI	CONW	RKPL	RKAP	BONE	SJPL	SJIN	TCHR	GCST	CADO	LACE
WT00X	7												
WT00Z	7												

SITE	DATE1	DATE2	DATE3	DATE4	DATE5	DATE6
AU001	4530					
AU036	1530	2430	3270	4120		
AU037	1070	440				
AU038	470					
FB034	5210					
FB037	6490	6690				
HR273						
PK008	1410	970	810	390		
PK069	6240	4000				
WH019	9920	365				

SITE	SCRP	NTCH	DENT	KNIF	CUTT	GRAV	SCGR	UPRF	BPRF	INBL	CHPR
AU001	5					1			3		
AU007						2					
AU036	1								2		
AU038									4		
FB013	1			1							
FB043									1		
FB095									11		
FB102	1			1							1
FB129				1							
HR005	205			152		10			6		68
HR006	2					13		3			
HR007	92			30		2			13		
HR008	2					1					
HR073	19			2		3		5			
HR089	13	16		1		15		4	1		
HR139	4	3	3			3					
HR155	1										
HR182	14		1			21		6	2	18	
HR183						2		1		3	
HR185	3	3	5			23		7			
HR186	4	1	1			3					
HR206	8	2	2	1		12		5		72	
HR207						1				1	
HR209		1	1			16					
HR210	1	2				8		1		30	
HR213										1	
HR214										1	
HR215										3	
HR217	1					2					
HR223						3		5			
HR233									1		
HR241								3			
HR244	2	1		1		5		4			
HR245	1					5					
HR248				1							
HR249						1					
HR250						3					
HR255	1					5					
HR257	3					1					
HR258	1	1									
HR259	4	3	1	1		3					
HR267	1		1			1		1			
HR268	1	4				2		1			
HR273	1							1			
HR274	1	2									
HR278	1										
HR279	3										1
HR281	12					1					
HR287	1										
HR291						1					
HR293						3		2			

SITE	SCRP	NTCH	DENT	KNIF	CUTT	GRAV	SCGR	UPRF	BPRF	INBL	CHPR
HR304	1										
HR315	6		2			47		42	5	17	
HR332	1						1				
HR525	7		2			7					
HR571	1						1				
LB002	12	2		11		2			1		
MQ004	2			23					3		5
MQ005	4			29					4		2
MQ006	9			31					14		3
PK069	7	1			2				1		
PK088	32			47		19			31	5	
SJ160	1					1		1	7		3
SJ163									1		
WH002	2										
WH008	150					4			23		
WH010	65		6			7		10			2
WH018				2					1		
WH019	22		2	3		8	9	1	6		
WH025						1					
WH026	12		1			2					
WH050	1								2		
WH065	4		1			2					3
WH078	4					2					
WL014									1		
WT00X	10			5		9					
WT00Y	6			2		4					
WT00Z	10			3		17					

SITE	SFLK	LFLK	LBLD	SBLD	BCOR	CORE	HTTR	EXOT	HAMR	COBL
AU001		688					Y		1	
AU007	24	42	2	4	3	5			2	
AU036	1608					54			2	
AU037	1589					15	Y			
AU038	5026					27				
FB032		517								
FB034		77								
FB037		480					Y			
FB043	7	10								
FB070	808	33								
FB071	2514	311								
FB072	1194	28								
FB095						1	Y		1	
FB101	265	187								
FB102	49	181								
FB119	713	43								
FB129	65	164								
GM081		1								
HR006		475		49	3					
HR073		5000	5			10				
HR089	3025	1633					Y			
HR139	401	65	1	6			Y		1	
HR154	35	15								
HR155	8	12								
HR182	2660	2851	7	159	15	33	Y	Y	11	1
HR183	383	66		16	2	1				
HR185	2683	1769		61	8	17	Y	Y	6	15
HR186	278	19				2				
HR206	5103	2463	29	316	20	19	Y		8	14
HR207	37	41		3	2				4	28
HR208	51	25		4			Y		1	
HR209	300	332	4	21	3		Y			
HR210		209	13	45	8	4	Y			
HR213	114	28		3	1		Y			
HR214	11	18		2						
HR215	219	52		5			Y			4
HR217	35	16		2	1		Y			
HR223	578	142		24			Y			3
HR226	46	56		2	3	6			2	
HR240						1				
HR241	525					3				
HR244	600	454	6	74	8	15	Y		4	3
HR245	255	78	1	21	3		Y			
HR246	28	13		3		1	Y			
HR247	102	40	1	9		3	Y		1	3
HR248	136	55	2	11	2		Y			
HR249	12	18		2			Y			
HR250	148	86		21	4		Y		1	
HR251	49	9		1		3	Y			3
HR252	13	4				2	Y			
HR253	21	2					Y		1	

SITE	SFLK	LFLK	LBLD	SBLD	BCOR	CORE	HTTR	EXOT	HAMR	COBL
HR254	35	11		1			Y			
HR255	252	47	2	18	4	3	Y			
HR256	11	3		1						
HR257	165	5		1			Y			
HR258	15	13								
HR259	458	290	13	1			Y			
HR267	136	48		4		1	Y			
HR268	55	19	1							
HR269	77	15								
HR273	1023	943								
HR274	124	53					Y			
HR278	80	12								
HR279	647	74								
HR280	33	11								
HR281	301	9					Y			
HR282	161	52								
HR283	837	170		6			Y			
HR285		2		1						
HR287	133	27					Y			
HR288	27	2								
HR290		36								
HR291	18	8								
HR292	46	15								
HR293	1350	242		11	2	5	Y		1	
HR298	14									
HR299		1								
HR304	55	24					Y			
HR315	11821	5161	13	231	30	14	Y	Y	60	
HR332	2	32	7	2						
HR436		192								
HR525	251	652		9	3	12	Y		5	15
LB002									1	
MQ004						13			9	
MQ005						11			9	
MQ006						8			2	
PK069	12957	1051				85	Y			3
PK088				22					16	
SJ160		2136				45			13	
SJ163		109					Y		2	
WH008		1260								
WH010	1019	1070	48	7	2	77	Y		8	
WH019	7810	5228	5	15		28	Y	Y	3	14
WH020	186									
WH025	216	72		3		1				
WH026	424	515					Y			1
WH050		608								
WH051		10								
WH065	109	793				119		Y	16	110
WH078	161	178				3		Y	3	
WL014							Y		1	
WL015	56	56								
WL017						1		Y		

SITE	DEER	LTRT	SNAK	RAT	LBRD	BISN	RABB	GOPH	SKUN	MOUS	RACC	OPOS	BADG	ANTL	SQRL
AU004						Y									
AU036	Y	Y		Y			Y	Y				Y			
AU037	Y	Y		Y	Y		Y	Y		Y		Y		Y	Y
AU038	Y	Y		Y			Y	Y				Y			Y
FB032	Y	Y													
FB034	Y		Y		Y		Y	Y			Y				
FB037	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y			
FB043						Y									
FB095	Y	Y				Y	Y				Y	Y			
HR005	Y	Y				Y					Y	Y	Y	Y	
HR006	Y	Y				Y			Y						
HR007	Y	Y			Y	Y						Y	Y		
HR089	Y						Y				Y	Y			
HR139		Y					Y								
HR182						Y									
HR185		Y													
HR206		Y													
HR209		Y													
HR210	Y	Y									Y				
HR240		Y													
HR241	Y	Y													
HR244	Y	Y			Y										
HR259	Y														
HR269	Y	Y													
HR273	Y	Y	Y		Y		Y	Y	Y						
HR278						Y									Y
HR279	Y	Y				Y									
HR281						Y									
HR291	Y	Y													
HR292						Y									
HR298	Y	Y													
HR304		Y													
HR315	Y	Y													
HR541	Y														
LB002	Y	Y													
PK069	Y	Y	Y		Y										
SJ163		Y													
WH008	Y	Y					Y					Y			
WH014	Y	Y	Y		Y	Y	Y	Y	Y					Y	
WH019	Y	Y	Y	Y		Y	Y	Y							
WH025	Y	Y													
WH065	Y														
WL015	Y	Y					Y								
WT00X	Y														
WT00Y	Y													Y	

SITE	SHEL	ALLI	WBRD	WTRT	GAR	MFSH	FROG	MINK	SHRK	CATF	DRUM	REDF	STRT	BASS	BFIN	SFSH
AU001	Y															
AU036	Y		Y	Y	Y		Y		Y	Y	Y				Y	
AU037	Y		Y	Y	Y		Y			Y	Y			Y	Y	
AU038	Y		Y	Y	Y		Y			Y	Y			Y	Y	
FB032	Y				Y											
FB034	Y			Y	Y	Y	Y			Y	Y			Y		
FB037	Y	Y		Y	Y	Y	Y			Y	Y					Y
FB095	Y	Y	Y		Y	Y										
HR005					Y											
HR006	Y															
HR007		Y														
HR273	Y				Y	Y				Y						
HR279	Y															
HR315	Y								Y							
LB002		Y				Y										
PK008	Y															
PK069	Y															
WH008	Y	Y		Y	Y											
WH014					Y	Y	Y			Y					Y	
WH019	Y	Y			Y	Y					Y				Y	
WH020	Y															
WH025	Y															
WH078	Y															
WL015	Y			Y	Y	Y										
WL017	Y															
WT00X	Y															
WT00Z	Y															

SITE	CLAY	HRTH	OCHR	ASPH	SCTN	INBN	GVST	MANO	META	BEAD
AU001	1	Y	1	Y	Y	1	1			
AU037							1	1		
AU038		ST	18		Y	1	1	1	1	
AU039		ST			Y					
AU038			1					1		
AU055						1				
FB013					Y	1				
FB032	100									
FB034	688									
FB037	100		1		Y					
FB042										
FB043	24									
FB095	100			Y		4				
HR005			13				1			
HR006	21				Y					
HR007			1				1			
HR008			4							
HR089	50									
HR139	10				Y					
HR182								1	1	
HR185	140									
HR206	113	CLCA	4		Y					
HR208	1				Y					
HR210	8		1	Y						
HR214	1									
HR215	5									
HR223	108									
HR226	10									
HR244	29								1	
HR246	3									
HR267	3									
HR269				Y						
HR273	5			Y						
HR279	2	CL								
HR315	1144	CL	118	Y	Y			3	2	
LB002	****			Y						
MQ004		CL						1	1	
MQ005								2	1	
MQ006									6	
PK008		Y								
PK069		ST			Y				1	
PK088		Y							28	
SJ016	15	CL								
SJ160	16		1					3	1	
SJ163					Y					
WH010					Y					
WH014			1							
WH019	4443	CL	5		Y					
WH020	157									
WH025	9									
WH050	100	ST			Y		1			

SITE	CLAY	HRTH	OCHR	ASPH	SSTN	INBN	GVST	MANO	META	BEAD
WL015	20									
WT002								1		

SITE	ARTI	NUM	GODS	BTYP	DIRB	VIOL	DISE
AU001			Y		VAR		
AU036	Y	238	Y	EXFL	VAR	Y	Y
AU037	Y	9	Y	FL			Y
AU055	Y	3	Y	SFL	S		
FB013	Y	19	Y	EXFL			
FB042	Y	4	Y	EX	NE	Y	
HR005	Y	4		FL	VAR		
HR007	Y	3		FL	VAR		
PK008	Y	3		FL	SE		
WH014	Y	11	Y	FL	VAR	Y	Y
WH019	Y	1		EX	NE		Y
WH039	Y	31	Y	EXFL	NE		

TABLE 13

NON-COMPUTERIZED DATA

ARROW POINTS

Site	Items
WH16	1 Guerrero
SJ160	2 Friley, 6 Colbert
LB59	1 Friley
LB66	3 Friley
LB73	1 Friley
JP99	3 Friley
TL32	2 Friley
PK182	5 Friley
PK8	1 Friley, 1 Maud
SJ16	2 Colbert
PK21	1 Friley, 1 Colbert
PK88	1 Washita, 5 Colbert, 8 Friley, 17 Livermore-like
PK69	3 Friley

DART POINTS

Site	Item
JP99	2 Motley
TL31	2 Motley
PK88	28 Lange
AU38	1 Lange
AU36	1 Lange
WT00X	1 Lange
WT00Y	1 Lange
WH19	1 Gower-like

CERAMICS

Site	Items
PK21	5 Marksville Stamped
PK8	6 bone-grog temper
SJ16	4 bone-grog temper
PK88	72 bone-grog temper
AU31	5 bone-grog temper
AU38	66 bone-grog temper
PK69	36 bone-grog temper

TABLE 13, continued

NON-COMPUTERIZED DATA

TERRESTRIAL FAUNAL REMAINS

Site	Items
AU36	beaver
LB2	bear
HR273	beaver
WH14	beaver
HR6	mink
WH8	bear, cougar
PK69	coyote

AQUATIC FAUNAL REMAINS

Site	Item
WH8	marine shell
WH37	marine shell
HR185	marine shell
AU36	stingray spines

LITHIC TOOLS

Site	Items
AU36	2 corner tangs
FB42	stemmed scraper
HR233	stemmed scraper
WH2	1 gouge
WH19	2 stemmed scrapers, 1 corner tang
HR525	1 stemmed scraper
FB102	1 corner tang
AU4	1 corner tang
SJ160	5 stemmed scrapers, 1 gouge

TABLE 13, continued

NON-COMPUTERIZED DATA

MISCELLANEOUS ARTIFACT CATEGORIES

Site	Items
HR206	1 chert pendant
HR273	bone tools, ground stone object
WH2	quartz, galena, glass artifact
WH25	bone point, stone pendant
AU1	boatstones, bone tools, fishhooks, bone points, atlatl weight, bone needles
WH8	glass and metal artifacts
AU4	bone tool, atlatl weight
HR571	gunflint
FB95	bone tools
FB13	boatstones, shell pendant
HR315	bone pendants
AU36	stone pendant, shell pendants, boatstones, bone tools
AU37	shell pendants, boatstone, bone tools
HR5	atlatl weights
PK69	Gahagan biface, clay pipe, glass beads

SE TEXAS INLAND SITE PUBLICATION LIST FOR DATA BASE

AU1	Duke 1981, 1982a, 1982b, 1982c, Fleming 1960
AU4	Duke 1985b, Duke and Duke 1988
AU7	Patterson 1976a
AU18	Hall 1981:269
AU31	Hall 1981
AU36	Hall 1981
AU37	Lord 1977, Hall 1981
AU38	Lord 1977, Hall 1981
AU55	Highley, et al. 1988
BO025	Cole and McMichael 1968
BO027	Cole and McMichael 1968
BO028	Cole and McMichael 1968
BO167	Patterson and Hudgins nda
FB13	Walley 1955
FB32	Patterson and Hudgins 1987b
FB34	McClure 1986b, Patterson and Hudgins 1986, Neck 1986, Patterson 1989
FB37	McClure 1987b, Patterson and Hudgins 1987c, Patterson 1988
FB42	Patterson notes, HAS report in progress
FB43	Patterson and Hudgins ndd
FB70	Ensor 1984, 1987
FB71	Ensor 1984, 1987
FB72	Ensor 1984, 1987
FB95	McClure 1987a, Patterson and Hudgins 1987d
FB101	Duke 1985a,
FB102	Duke 1985a, 1985c, 1986a
FB119	Ensor 1987
FB129	Duke 1986b
FB158	Patterson and Hudgins nda
GM81	Fletcher 1979
HN12	Kindall and Patterson 1986 (main Kyle "Y")
HR4	Patterson notes, Wheat 1953 (site 42/66A6-8)
HR5	Wheat 1953, Newman 1953 (Doering Site)
HR6	McClure 1982c, Patterson 1981b, Wheat 1953 (42/66A6-4)
HR7	Wheat 1953, Newman 1953 (Kobs Site)
HR8	Wheat 1953 (Grisbee Site)
HR45	Patterson and Marshall nd
HR73	Duke 1971
HR89	McClure 1970, 1976c, 1976d, 1977a, 1986a
HR139	McClure 1975b
HR154	McClure 1975a
HR155	McClure 1975a
HR172	Patterson and Marshall nd
HR173	Patterson and Marshall nd
HR182	Patterson 1975c, 1985a, 1985b, 1987a
HR183	Patterson 1977d
HR185	Patterson 1975a, 1982
HR186	McClure 1975c
HR194	McGuff and Cox 1973:21
HR206	Patterson 1980c
HR207	Patterson 1978b

HR208 Patterson 1978b
HR209 Patterson 1976b, 1987b
HR210 Patterson 1975d, Patterson and McClure 1983, Smith 1977
HR213 Patterson 1977d
HR214 Patterson 1977d
HR215 Patterson 1977c
HR217 Patterson 1974
HR223 Patterson 1977b
HR226 Patterson 1979a
HR233 Patterson and Marshall nd
HR240 McClure 1980c
HR241 Fields 1988
HR244 Patterson 1976d, 1979b, Patterson and McClure 1983
HR245 Patterson 1976e
HR246 Patterson 1976e
HR247 Patterson 1976e
HR248 Patterson 1976c
HR249 Patterson 1976e
HR250 Patterson 1975b
HR251 Patterson 1976e
HR252 Patterson 1976e
HR253 Patterson 1976e
HR254 Patterson 1976e
HR255 Patterson 1976e
HR256 McClure 1975a
HR257 McClure 1977c
HR258 McClure 1976b
HR259 McClure 1974, 1976a, Fields 1988
HR267 Patterson 1976g, 1978c
HR268 McClure 1976b
HR269 McClure 1978a, 1981b
HR273 McClure 1978b, 1978c, Fields 1988, Ensor and Drollinger 1988, Texas A&M report in progress
HR274 McClure 1977b
HR278 McClure 1980b, Fields 1988
HR279 McClure 1979b, 1979c, 1979d, 1980a, 1980b
HR280 McClure 1980b
HR281 McClure 1982a
HR282 McClure 1981a
HR283 McClure 1982b, Fields 1988
HR284 McClure 1981c
HR285 McClure 1977d, 1981a
HR286 McClure 1977d
HR287 McClure 1977c
HR288 McClure 1978a
HR290 Fields 1988, McClure and Patterson nda
HR291 McClure 1980b
HR292 McClure 1980b
HR293 Patterson 1977a, 1986c
HR297 McClure 1980b
HR298 McClure 1979a, Fields 1988
HR299 McClure 1977d
HR301 McClure 1981b
HR304 McClure 1980b

HR315	Patterson 1980a
HR332	McClure and Patterson ndb
HR436	Kotter and Fields 1983
HR442	Fields, Freeman and Kotter 1983
HR462	Fields, Freeman and Kotter 1983
HR466	Fields, Freeman and Kotter 1983
HR479	Howard and Freeman 1983
HR511	Ensor, Carlson and Carlson 1983
HR518	Ensor, Carlson and Carlson 1983
HR525	Patterson, Murk and Murk 1984
HR530	McReynolds, Ensor and Carlson 1988
HR541	Fields 1988, McReynolds, Korgel and Ensor 1988
HR571	Patterson 1986b
HR608	McReynolds, Ensor and Carlson 1988
HR618	Patterson and Marshall nd
HR619	Patterson and Marshall nd
JP99	Kindall and Patterson 1986 (main Kyle "O")
JP100	Kindall and Patterson 1986 (main Kyle "U")
JP101	Kindall and Patterson 1986 (main Kyle "V")
LB2	Aten 1967
LB15	Kindall and Patterson 1986 (main Kyle "C")
LB20	Kindall and Patterson 1986 (main Kyle "W")
LB27	Kindall and Patterson 1986 (main Kyle "E")
LB59	Kindall and Patterson 1986 (main Kyle "A")
LB60	Kindall and Patterson 1986 (main Kyle "B")
LB61	Kindall and Patterson 1986 (main Kyle "D")
LB66	Kindall and Patterson 1986 (main Kyle "F")
LB71	Kindall and Patterson 1986 (main Kyle "G")
LB72	Kindall and Patterson 1986 (main Kyle "H")
LB73	Kindall and Patterson 1986 (main Kyle "I")
LB74	Kindall and Patterson 1986 (main Kyle "J")
LB78	Kindall and Patterson 1986 (main Kyle "K")
LB80	Kindall and Patterson 1986 (main Kyle "L")
MQ4	Shafer 1968
MQ5	Shafer 1968
MQ6	Shafer 1968
MQ41	Shafer and Stearns 1975
MQ44	McClure 1979e
MQ48	McClure 1979e
PK8	McClurkan 1968
PK21	McClurkan 1968
PK69	Ensor and Carlson 1988
PK88	McClurkan 1968
PK89	McClurkan 1968
PK171	Kindall and Patterson 1986 (main Kyle "M")
PK172	Kindall and Patterson 1986 (main Kyle "N")
PK175	Kindall and Patterson 1986 (main Kyle "P")
PK176	Kindall and Patterson 1986 (main Kyle "R")
PK182	Kindall and Patterson 1986 (main Kyle "T")
PK186	Kindall and Patterson 1986 (main Kyle "X")
SJ16	McClurkan 1968
SJ19	McClurkan 1968
SJ159	Moore 1988
SJ160	Keller and Weir 1979, Moore and Dockall 1988

SJ163	Patterson 1986a
TL31	Kindall and Patterson 1986 (main Kyle "Q")
TL32	Kindall and Patterson 1986 (main Kyle "S")
WA55	Moore 1986
WA83	Moore 1982
WH2	Patterson 1980b, Patterson and Hudgins 1980a
WH7	Patterson and Hudgins 1980a
WH8	Hudgins 1982, 1984
WH10	Patterson and Hudgins 1980b, 1984b, 1985b
WH14	Copas 1984, Kindall 1980, Hudgins and Kindall 1984
WH16	Hudgins 1985
WH18	Patterson and Hudgins 1987a
WH19	Hudgins and Patterson 1983, Patterson and Hudgins 1981, 1983a, 1984a, 1985a, Patterson et al. 1987
WH20	Patterson and Hudgins ndc
WH25	Patterson 1981a
WH26	Patterson and Hudgins 1982a
WH39	Hudgins 1981, Vernon nd
WH50	Patterson and Hudgins 1988
WH51	Patterson and Hudgins 1988
WH65	Patterson and Hudgins 1982b
WH78	Patterson and Hudgins ndb
WL14	Patterson 1984
WL15	Patterson 1984, McClure and Neck 1987
WL16	Patterson 1984
WL17	Patterson 1984
WL18	Patterson 1984
WT00X	Hasskarl 1959 (53D5-2A)
WT00Y	Hasskarl 1959 (53D5-2B)
WT00Z	Hasskarl 1959 (53D5-2C)

REFERENCES FOR SITES OF INLAND SOUTHEAST TEXAS, 1989

Abbreviations:

BTAS	Bulletin of the Texas Archeological Society
BTAPS	Bulletin of The Texas Arch. and Paleontological Society
HASN	Houston Archeological Society Newsletter
JHAS	Houston Archeological Society Journal
LT	La Tierra (STAA)

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