# AN ARCHEOLOGICAL DATA BASE FOR THE SOUTHEASTERN TEXAS COASTAL MARGIN

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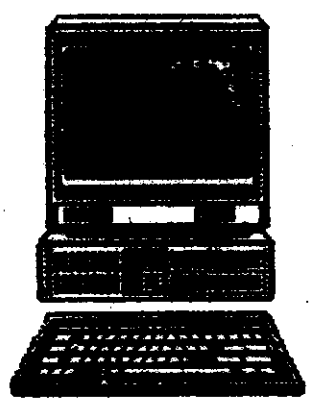

HOUSTON ARCHEOLOGICAL SOCIETY
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## Contents of Report

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## Section 1: General Discussion

### INTRODUCTION

A data base for the archeology of inland Southeast Texas (Patterson 1989) and a quantitative summary (Patterson nd) of this data base have been made. The data base presented here for the archeology of the coastal margin of Southeast Texas is part of a parallel project to cover the remaining subregion of Southeast Texas. As with the literature of inland Southeast Texas, the literature of the coastal margin 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. A data base enables the entire body of published literature to be considered for quantitative studies. This data base has been computerized in the same manner as the other data base for the inland subregion. Use of a computer permits summaries of tabulations and complex queries to be done quickly and easily, revisions of data to be done easily, and printed reports to be made with little extra effort.

A quantitative study for the coastal margin of Southeast Texas is being prepared from this data base in the same manner as was done for the inland subregion (Patterson nd). Aten (1983) has published a fairly detailed study of the archeology of the coastal margin of this region. This data base, however, allows an even wider coverage of published sites and consideration of some subjects that Aten did not cover, such as faunal subsistence patterns. Summaries of various zones and counties can be easily made with this computerized data base.

The current data base as published here has entries for 185 sites, and will be expanded as more data becomes available. This is about the same number of sites as in the previous data base published for inland Southeast Texas (Patterson 1989). It should be noted that the prehistory of inland Southeast Texas covers a time period of about 12,000 years, while the prehistory of the coastal margin of this region covers a time period of about 3,000 years, after stabilization of sea level about 3,500 years ago at the start of the Late Archaic period (Aten 1983:124).

### DATA BASE DESIGN

The Paradox 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 is 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 10 computerized tables and non-computerized tabulations of low-frequency types of artifacts. Computerized tables include: basic site data, arrow point types, dart point types, ceramic types, 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.

As with the inland data base, the coastal margin data base has been subdivided into 3 geographic 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:

Western- Brazoria, ~~Fort Bend~~
Central- Harris, Galveston
Eastern- Chambers, Jefferson, Orange

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. |
|---|---|
| Late Archaic | 3500 to 1900 |
| Early Ceramic | 1900 to 1400 |
| Late Prehistoric | 1400 to 500 |
| Historic Indian | 500 to 200 |

Time periods for archeological sites have been determined by radiocarbon dates, the ceramic typological sequence given by Aten (1983:Figure 14.1), projectile point types and in some cases historic artifact types. Also, many published site reports give time periods as judged by the investigators. In the case of excavated sites, Late Archaic (precaramic) components can be determined directly. The Early Ceramic period is characterized by dart points and certain pottery types, such as Goose Creek Stamped, Conway, Mandeville Plain and Tchefuncte. The Late Prehistoric is characterized by arrow points and grog tempered pottery. Many dart point types are shared by both the Late Archaic and Early Ceramic periods (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. 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 are not generally available. The lack of general availablility of contract archeology reports is a chronic problem throughout the United States.

In most cases, differentiating between inland and coastal margin sites is clear, by both geographic and environmental criteria. Coastal margin sites are not only near or on the coastline of the

Gulf of Mexico, but are also generally located in a brackish water or seawater environment. Most recorded coastal margin sites have Rangia or oyster shell middens. There are some recorded 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. 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 41HR45, 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 the coastal margin of Southeast Texas. Research publication has not been uniform throughout this subregion. Work in Chambers County has been given the greatest amount of publication, mainly due to work for the Wallisville reservoir project at the delta of the Trinity River. There are few published site reports that are generally available for Jefferson and Orange Counties.

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. Control of all generally available literature for a region allows quantitative studies to be made that are more rigorous and less impressionistic.

Artifact distributions within this subregion can be obtained easily with this computerized data base. Three geographic zones have been designated with an east-west orientation to permit stuies of artifact distribution gradients that represent the geographic interfaces of technological traditions of the Southern Plains and Southeastern Woodlands. It has previously been observed 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. 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 published 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 at a small cost, in either Paradox or dBASE formats.

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

1989 A Data Base for Inland Southeast Texas Archeology. Houston Archeological Society, Report No. 6

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

## SECTION 2: DATA BASE TABLE EXPLANATIONS

The data base tables in Section 3 consist of 10 computerized tables and a non-computerized tabulation of low-frequency artifact types. The first column of each computerized table contains 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. The contents of each of the computerized data tables are as follows:

### Table 1, Basic Site Data

computer file name: BASDATC

| Column | Item | Name | Column Type |
|---|---|---|---|
| 1 | site number | SITE | alpha |
| 2 | county | CO. | alpha |
| 3 | zone | ZONE | alpha |
| 4 | work type | WORK | alpha |
| 5 | Late Archaic | LARCH | alpha |
| 6 | Early Ceramic | ECER | alpha |
| 7 | Late Prehistoric | LPRE | alpha |
| 8 | Historic Indian | HIST | alpha |
| 9 | site type | TYPE | alpha |

Column Codes

| | |
|---|---|
| 3 | W= western, C= central, E= eastern |
| 4 | E= excavated, S= surface |
| 5-8 | Y= present |
| 9 | SHELM= shell midden, SANDM= sand midden, SNSH= lower sand, upper shell |

Table 2, Arrow Points

computer file name: APTSC

| 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 | leaf-shaped | LEAF | numeric |
| 9 | Bonham | BONH | numeric |
| 10 | bulbar stem | BULB | numeric |
| 11 | unclassified | MISC | numeric |
| 12 | arrow point preform | APRE | numeric |
| 13 | unifacial | UNIIF | numeric |
| 14 | Edwards | EDWD | numeric |

Table 3, Dart Points

computer file Name: DPTSCM

| Column | Item | Name | Column Type |
|---|---|---|---|
| 1 | site number | SITE | alpha |
| 2 | Gary | GARY | numeric |
| 3 | Kent | KENT | numeric |
| 4 | bone | BONE | numeric |
| 5 | unclassified | NCLAS | numeric |
| 6 | dart point preform | DPREF | numeric |
| 7 | Yarbrough | YARBO | numeric |
| 8 | Morhiss | MORHS | numeric |
| 9 | Ensor | ENSOR | numeric |
| 10 | Palmillas | PALMI | numeric |
| 11 | Darl | DARL | numeric |
| 12 | Ellis | ELLIS | numeric |
| 13 | triangular | TRIAN | numeric |
| 14 | leaf shaped | LEAFS | numeric |
| 15 | Fairland | FAIRL | numeric |

Table 4, Ceramics

computer file name: CERAMCM

| 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 Red Filmed | GCRF | numeric |
| 5 | asphalt coated | ASPH | numeric |
| 6 | shell tempered | SHEL | numeric |
| 7 | San Jacinto Plain | SJPL | numeric |
| 8 | San Jacint Incised | SJIN | numeric |
| 9 | Tchefuncte | TCHF | numeric |
| 10 | Goose Creek Stamped | GCST | numeric |
| 11 | Conway | CONW | numeric |
| 12 | bone tempered | BONE | numeric |
| 13 | Mandeville Plain | MDPL | numeric |

Table 5, Radiocarbon Dates

computer file name: DATEC

Space provided for 9 dates for each site. All dates are uncorrected radiocarbon years B.P.

Dates not included in computerized table for site 41CH16:

2150, 1890, 1740, 2010, 1950, 2250, 2180, 2020, 2220, 1950, 2010

Table 6, Lithics

computer file name: LITHICSC

| Column | Item | Name | Column Type |
|---|---|---|---|
| 1 | site Number | SITE | alpha |
| 2 | scrapers | SCRP | numeric |
| 3 | unifacial perforators | UPRF | numeric |
| 4 | bifacial perforators | BPRF | numeric |
| 5 | knives | KNIF | numeric |
| 6 | bifacial tools | BFTL | numeric |
| 7 | flakes | FLAK | numeric |
| 8 | cores | CORE | numeric |
| 9 | gravers. | GRAV | numeric |

Table 7, Terrestrial Faunal Remains

computer file Name: FAUNALTC

| 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 | squirrel | SQRL | alpha |
| 15 | muskrat | MRAT | alpha |
| 16 | bear | BEAR | alpha |

Y= present

Table 8, Aquatic Faunal Remains

computer file name: FAUNALAC

| Column | Item | Name | Column Type |
|---|---|---|---|
| 1 | site number | SITE | alpha |
| 2 | Rangia | RANG | alpha |
| 3 | alligator | ALLI | alpha |
| 4 | water bird | WBRD | alpha |
| 5 | water turtle | WTRT | alpha |
| 6 | gar | GAR | alpha |
| 7 | miscellaneous fish | MFSH | alpha |
| 8 | frog | FROG | alpha |
| 9 | shark | SHRK | alpha |
| 10 | catfish | CATF | alpha |
| 11 | drum | DRUM | alpha |
| 12 | redfish | REDF | alpha |
| 13 | sea trout | STRT | alpha |
| 14 | bowfin | BFIN | alpha |
| 15 | oyster | OYST | alpha |
| 16 | sheepshead | SPHD | alpha |

Y= present

Tab;e 9, Miscellaneous Artifacts

computer file name: MISC1CM

| Column | Item | Name | Column Type |
|---|---|---|---|
| 1 | site number | SITE | alpha |
| 2 | incised bone | INBN | alpha |
| 3 | bone tool | BNTL | alpha |
| 4 | asphalt | ASPH | alpha |
| 5 | sandstone | SSTN | alpha |
| 6 | red ochre | OCHR | alpha |
| 7 | shell tool | SHTL | alpha |

Y= present

Table 10, Burial Data

computer file name: BURIALC

| Column | Item | Name | Column Type |
|---|---|---|---|
| 1 | site number | SITE | alpha |
| 2 | articulated | ARTI | alpha |
| 3 | number | NUM | numeric |
| 4 | grave goods | GODS | alpha |
| 5 | type | TYPE | alpha |
| 6 | burial direction | DIRB | alpha |
| 7 | disease | DISE | alpha |

Column Codes

| | |
|---|---|
| 2, 4, 7 | Y= present |
| 5 | FL= flexed, ST= sitting |

| SITE | CO. | ZONE | WORK | LARCH | ECER | LPRE | HIST | TYPE |
|---|---|---|---|---|---|---|---|---|
| BO002 | BO | W | E | | | Y | | SHELM |
| BO004 | BO | W | E | | | Y | Y | SHELM |
| BO012 | BO | W | E | | | Y | | SHELM |
| BO013 | BO | W | E | | | Y | | SHELM |
| BO015 | BO | W | S | | | Y | Y | SHELM |
| BO035 | BO | W | SE | Y | Y | Y | Y | SHELM |
| BO050 | BO | W | E | | | Y | | SHELM |
| BO126 | BO | W | E | | Y | | | SHELM |
| CH001 | CH | E | S | | | Y | | SHELM |
| CH006 | CH | E | S | | Y | Y | | SHELM |
| CH007 | CH | E | S | | | Y | | SHELM |
| CH008 | CH | E | S | | Y | Y | | SHELM |
| CH009 | CH | E | S | | | Y | | SHELM |
| CH010 | CH | E | S | | Y | Y | | SHELM |
| CH011 | CH | E | S | | | | | SHELM |
| CH012 | CH | E | S | | | | | SHELM |
| CH013 | CH | E | SE | Y | Y | Y | | SHELM |
| CH014 | CH | E | SE | | Y | Y | | SHELM |
| CH015 | CH | E | S | | | Y | | SHELM |
| CH016 | CH | E | SE | Y | Y | | | SHELM |
| CH017 | CH | E | SE | Y | Y | Y | | SHELM |
| CH018 | CH | E | S | Y | | | | SHELM |
| CH019 | CH | E | S | | | Y | | SHELM |
| CH020 | CH | E | SE | | Y | Y | Y | SHELM |
| CH021 | CH | E | S | | | Y | | SHELM |
| CH022 | CH | E | S | | | Y | Y | SHELM |
| CH023 | CH | E | S | | Y | Y | | SHELM |
| CH024 | CH | E | SE | | Y | Y | | SHELM |
| CH025 | CH | E | S | | | Y | | SHELM |
| CH026 | CH | E | S | | | Y | | SHELM |
| CH027 | CH | E | S | | | Y | | SHELM |
| CH028 | CH | E | S | | | Y | Y | SHELM |
| CH029 | CH | E | S | | | Y | | SHELM |
| CH030 | CH | E | S | | Y | | | SHELM |
| CH031 | CH | E | SE | | | Y | | SHELM |
| CH032 | CH | E | SE | Y | Y | Y | | SHELM |
| CH033 | CH | E | S | | Y | Y | | SHELM |
| CH034 | CH | E | S | | | Y | | SHELM |
| CH035 | CH | E | S | | | Y | | SHELM |
| CH036 | CH | E | SE | | Y | Y | Y | SHELM |
| CH037 | CH | E | S | | | Y | Y | SHELM |
| CH038 | CH | E | S | Y | Y | Y | Y | SHELM |
| CH039 | CH | E | S | | | Y | | SHELM |
| CH040 | CH | E | S | | | Y | | SHELM |
| CH041 | CH | E | S | | | Y | | SHELM |
| CH042 | CH | E | S | | Y | Y | | SHELM |
| CH043 | CH | E | S | | | Y | | SHELM |
| CH044 | CH | E | S | | | Y | | SHELM |
| CH045 | CH | E | S | | | Y | | SHELM |
| CH046 | CH | E | S | | Y | Y | | SHELM |
| CH047 | CH | E | S | | Y | Y | | SHELM |

| SITE | CO. | ZONE | WORK | LARCH | ECER | LPRE | HIST | TYPE |
|---|---|---|---|---|---|---|---|---|
| CH048 | CH | E | S | | | | | SHELM |
| CH049 | CH | E | S | | | Y | | SHELM |
| CH050 | CH | E | S | | | | | SHELM |
| CH051 | CH | E | S | | | Y | Y | SHELM |
| CH052 | CH | E | SE | | Y | | | SHELM |
| CH053 | CH | E | S | | Y | | Y | SHELM |
| CH054 | CH | E | S | | | Y | Y | SHELM |
| CH055 | CH | E | S | | Y | | | SHELM |
| CH056 | CH | E | S | Y | | | | SHELM |
| CH057 | CH | E | S | Y | Y | Y | Y | SHELM |
| CH060 | CH | E | S | | | Y | | SHELM |
| CH061 | CH | E | S | | | Y | | SHELM |
| CH062 | CH | E | S | | Y | Y | Y | SHELM |
| CH063 | CH | E | S | | | Y | | SHELM |
| CH064 | CH | E | S | | | | | SHELM |
| CH065 | CH | E | S | | | Y | | SHELM |
| CH066 | CH | E | S | | | Y | | SHELM |
| CH067 | CH | E | S | | | Y | | SHELM |
| CH068 | CH | E | S | | Y | Y | | SHELM |
| CH069 | CH | E | S | | | Y | | SHELM |
| CH070 | CH | E | S | | | Y | Y | SHELM |
| CH071 | CH | E | S | | | | | SHELM |
| CH072 | CH | E | S | | Y | Y | | SHELM |
| CH073 | CH | E | S | | | | | SHELM |
| CH074 | CH | E | S | | | Y | | SHELM |
| CH075 | CH | E | S | | | Y | | SHELM |
| CH076 | CH | E | S | | | Y | | SHELM |
| CH077 | CH | E | S | | | Y | Y | SHELM |
| CH078 | CH | E | S | | | | | SHELM |
| CH079 | CH | E | S | | | | | SHELM |
| CH080 | CH | E | SE | | Y | Y | | SHELM |
| CH081 | CH | E | S | | Y | | | SHELM |
| CH082 | CH | E | S | | | | | SHELM |
| CH083 | CH | E | S | | | Y | | SHELM |
| CH084 | CH | E | S | | | | | SHELM |
| CH085 | CH | E | S | | | | | SHELM |
| CH086 | CH | E | S | | | | | SHELM |
| CH087 | CH | E | SE | | Y | Y | | SHELM |
| CH088 | CH | E | S | | Y | Y | | SHELM |
| CH089 | CH | E | S | | | Y | | SHELM |
| CH090 | CH | E | S | | | | | SHELM |
| CH091 | CH | E | S | | | | | SHELM |
| CH092 | CH | E | S | | | | | SHELM |
| CH093 | CH | E | S | | | | | SHELM |
| CH094 | CH | E | S | | | | | SHELM |
| CH095 | CH | E | S | | | | | SHELM |
| CH096 | CH | E | S | | | | | SHELM |
| CH097 | CH | E | S | | | | | SHELM |
| CH098 | CH | E | SE | | Y | Y | Y | SHELM |
| CH099 | CH | E | S | | | | | SHELM |
| CH100 | CH | E | S | | | | | SHELM |
| CH101 | CH | E | S | | Y | | | SHELM |

| SITE | CO. | ZONE | WORK | LARCH | ECER | LPRE | HIST | TYPE |
|---|---|---|---|---|---|---|---|---|
| CH103 | CH | E | S | | Y | Y | Y | SHELM |
| CH104 | CH | E | S | | | | | SHELM |
| CH105 | CH | E | S | | | | | SHELM |
| CH106 | CH | E | SE | | | Y | | SHELM |
| CH107 | CH | E | S | | | Y | | SHELM |
| CH108 | CH | E | S | | | Y | | SHELM |
| CH109 | CH | E | S | | | Y | Y | SHELM |
| CH110 | CH | E | SE | | | Y | Y | SHELM |
| CH111 | CH | E | S | | | | | SHELM |
| CH112 | CH | E | S | | | Y | | SHELM |
| CH113 | CH | E | S | | | | | SHELM |
| CH114 | CH | E | S | | | | | SHELM |
| CH115 | CH | E | S | | | | | SHELM |
| CH116 | CH | E | S | | | | | SHELM |
| CH117 | CH | E | S | | | Y | | SHELM |
| CH118 | CH | E | S | | | Y | | SHELM |
| CH119 | CH | E | S | | Y | Y | Y | SHELM |
| CH120 | CH | E | S | | | | | SHELM |
| CH121 | CH | E | S | | | Y | | SHELM |
| CH122 | CH | E | S | | | | | SHELM |
| CH123 | CH | E | S | | | Y | | SHELM |
| CH124 | CH | E | S | | | | | SHELM |
| CH125 | CH | E | S | | | Y | | SHELM |
| CH126 | CH | E | S | | | | | SHELM |
| CH127 | CH | E | S | | | | | SHELM |
| CH128 | CH | E | S | | | | | SHELM |
| CH129 | CH | E | S | | | | | SHELM |
| CH130 | CH | E | S | | | | | SHELM |
| CH131 | CH | E | S | | Y | | | SHELM |
| CH132 | CH | E | S | | | | | SHELM |
| CH133 | CH | E | S | | | | | SHELM |
| CH134 | CH | E | S | | | | | SHELM |
| CH135 | CH | E | S | | Y | Y | | SHELM |
| CH136 | CH | E | S | | Y | Y | | SHELM |
| CH137 | CH | E | SE | | Y | Y | | SHELM |
| CH138 | CH | E | S | | | | | SHELM |
| CH139 | CH | E | S | | | | | SHELM |
| CH140 | CH | E | S | Y | | | | SHELM |
| CH141 | CH | E | S | Y | | | | SHELM |
| CH142 | CH | E | S | Y | | | | SHELM |
| CH143 | CH | E | S | Y | | | | SHELM |
| CH144 | CH | E | S | Y | | | | SHELM |
| CH145 | CH | E | S | | | | | SHELM |
| CH146 | CH | E | S | | | Y | | SHELM |
| CH169 | CH | E | E | | | Y | | SHELM |
| CH170 | CH | E | E | | | Y | | SHELM |
| CH172 | CH | E | E | Y | | | | SHELM |
| ~~FB011~~ | ~~FB~~ | ~~W~~ | ~~E~~ | | | ~~Y~~ | ~~Y~~ | ~~SHELM~~ |
| GV001 | GV | C | E | | | Y | | SHELM |
| GV005 | GV | C | E | | | Y | Y | SHELM |
| GV006 | GV | C | S | | | Y | Y | SHELM |
| GV010 | GV | C | SE | | | Y | | SHELM |

| SITE | CO. | ZONE | WORK | LARCH | ECER | LPRE | HIST | TYPE |
|---|---|---|---|---|---|---|---|---|
| GV082 | GV | C | E | | | Y | | SHELM |
| HR039 | HR | C | E | | Y | Y | Y | SHELM |
| HR045 | HR | C | S | Y | Y | Y | | SNSH |
| HR050 | HR | C | E | Y | Y | Y | | SHELM |
| HR056 | HR | C | E | Y | Y | Y | Y | SHELM |
| HR059 | HR | C | E | Y | Y | Y | | SHELM |
| HR071 | HR | C | S | Y | Y | Y | | SHELM |
| HR072 | HR | C | S | | Y | | | SHELM |
| HR073 | HR | C | S | Y | Y | Y | | SNSH |
| HR074 | HR | C | E | | Y | Y | | SHELM |
| HR080 | HR | C | E | Y | Y | Y | | SHELM |
| HR081 | HR | C | S | | Y | | | SHELM |
| HR082 | HR | C | E | Y | Y | Y | | SHELM |
| HR085 | HR | C | E | Y | Y | Y | | SHELM |
| HR133 | HR | C | S | | | Y | | SHELM |
| HR141 | HR | C | S | | | Y | | SHELM |
| HR144 | HR | C | S | Y | | | | SANDM |
| HR146 | HR | C | S | | Y | | | SANDM |
| HR147 | HR | C | S | | | Y | | SHELM |
| HR150 | HR | C | S | Y | | | | SANDM |
| HR161 | HR | C | E | | Y | | | SHELM |
| HR172 | HR | C | S | Y | Y | Y | | SNSH |
| HR173 | HR | C | S | Y | Y | Y | | SNSH |
| HR174 | HR | C | S | Y | Y | Y | | SNSH |
| HR233 | HR | C | S | Y | Y | Y | | SNSH |
| HR618 | HR | C | S | Y | Y | Y | Y | SNSH |
| HR619 | HR | C | S | Y | Y | Y | | SNSH |
| LB004 | LB | E | S | | | Y | Y | SHELM |
| LB048 | LB | E | E | | Y | Y | | SHELM |
| OR049 | OR | E | | | | Y | | SHELM |

| SITE | PERD | SCAL | CATA | ALBA | BASS | FRES | LEAF | BONH | BULB | MISC | APRE | UNIF | EDWD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BO012 | 1 | 2 | | | | | | | | 1 | | | |
| BO035 | 5 | 3 | | | | | | | | 12 | | | |
| BO050 | | 2 | | | | | | | | | | | |
| CH017 | 1 | | | | | | | | | | | | |
| CH022 | 1 | | | | | | | | | | | | |
| CH024 | 1 | | | | | | | | | | | | |
| CH027 | | | | 1 | | | | | | | | | |
| CH028 | | | | | | | | | | 2 | | | |
| CH031 | 4 | | 1 | | | | | | | | | | |
| CH032 | 2 | | | | | | | | | | | | |
| CH033 | 2 | | | | | | | | | | | | |
| CH036 | 2 | | | | | | | | | | | | |
| CH041 | 2 | | | | | | | | | | | | |
| CH046 | | | 1 | 3 | | | | | | 1 | | | |
| CH051 | | | | | | | | | | 1 | | | |
| CH054 | | | | | | | | | | 1 | | | |
| CH062 | 1 | | | | | | | | | 1 | | | |
| CH063 | 2 | | | | | | | | | | | | |
| CH070 | 1 | | | | | | | | | | | | |
| CH072 | 2 | | | | | | | | | | | | |
| CH080 | 1 | | | | | | | | | | | | |
| CH088 | | | | | | | | | | 1 | | | |
| CH098 | 2 | | | | | | | | | 4 | | | |
| CH103 | 4 | | | | | | 1 | | | 3 | | | |
| CH106 | 1 | | | | | | | | | | | | |
| CH108 | | | | | | | 1 | | | | | | |
| CH110 | 4 | | | 1 | | 1 | | | 1 | 6 | | | |
| CH137 | | 1 | | | | | | | | | | | |
| CH170 | | | 1 | | | | | | | | | | |
| GV005 | | | | | | | | | | 1 | | | |
| GV006 | 5 | | | | | | | | | 2 | | | |
| HR039 | 1 | | 1 | | | | | | | | | | |
| HR045 | 3 | | | 1 | | | | | | | | | |
| HR050 | 2 | | 1 | 1 | | | | | | | | | |
| HR059 | 1 | | | | | | | | | | | | |
| HR071 | 30 | | | | | | | 1 | | | | | |
| HR073 | 113 | | | 11 | | | | 2 | | | | | |
| HR074 | 4 | | | | | | | | | | | | |
| HR080 | 3 | | | | 1 | | | | | 5 | | | |
| HR082 | 17 | 2 | 1 | 3 | 1 | | | 1 | | 5 | | | |
| HR085 | | | | | | | | | | 2 | | | |
| HR141 | 1 | | | | | | | | | | | | |
| HR147 | | | | | | | | | | 1 | | | |
| HR172 | 26 | | 1 | 7 | | | | | | 4 | 1 | | 1 |
| HR173 | 1 | | 2 | 1 | | | | | | | | | 1 |
| HR174 | 1 | | | | | | | | | | | | |
| HR233 | 1 | | | | | | | | | | | | |
| HR618 | 1 | | 1 | 2 | | | | | | | | | |
| HR619 | 6 | | | | | | | | | 3 | | | |
| LB004 | 1 | | | | | | | | | 3 | | | |
| LB048 | | | | | | | | | | | | 1 | |

| SITE | GARY | KENT | BONE | NCLAS | DPREF | YARBO | MORHS | ENSOR | PALMI | DARL | ELLIS | TRIAN | LEAFS | FAIRL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BO035 | | 3 | 4 | | | 2 | | | | | | | | |
| BO050 | | | 1 | | | | | | | | | | | |
| CH013 | | | 2 | | | | | | | | | | | |
| CH014 | | | | 1 | | | | | | | | | | |
| CH016 | | | | 1 | | | | | | | | | | |
| CH024 | | | 2 | | | | | | | | | | | |
| CH030 | | 1 | | | | | | | | | | | | |
| CH033 | 1 | 3 | | | | | | | | | | | | |
| CH036 | | | 2 | | | | | | | | | | | |
| CH042 | | | | 1 | | | | | | | | | | |
| CH062 | 1 | 1 | | | 1 | | | | | | | | | |
| CH109 | | 1 | | | | | | | | | | | | |
| CH172 | 1 | | | | | | | 1 | | | | | | |
| HR039 | | | | | 2 | | | 1 | | | | | | |
| HR045 | 6 | 7 | | 2 | 1 | | | | | 1 | 3 | 1 | 1 | |
| HR050 | | 2 | 7 | | 1 | | | | | | | | | |
| HR056 | | 1 | 1 | 1 | | | | | | | | | | |
| HR071 | 7 | 5 | | 5 | | 3 | | | | | | | | |
| HR072 | | 3 | | 1 | | | | | | | | | | |
| HR073 | 38 | 120 | | | | 6 | | 4 | 3 | 1 | 2 | 1 | 1 | 1 |
| HR074 | 1 | | | 1 | | 1 | | 1 | | | | | | |
| HR080 | 8 | 4 | 5 | 6 | | | 1 | 1 | 1 | | | | | |
| HR081 | | 1 | | | | | | | | | | | | |
| HR082 | 3 | 5 | 6 | 1 | 2 | | | | | | | | | |
| HR085 | 4 | | 4 | 2 | | | | | | 1 | | | | |
| HR144 | | 1 | | | | | | | | | | | | |
| HR146 | 1 | | | | | | | | | | | | | |
| HR150 | | | | | | 1 | | | | | | | | |
| HR172 | 2 | 1 | | | 3 | | | | | | | | 1 | |
| HR173 | | 4 | | | 2 | | | | | 1 | 1 | | | |
| HR174 | 2 | 1 | | | | | | | | | | | | |
| HR233 | 4 | 1 | | 2 | 4 | | | | | 2 | 2 | | | |
| HR618 | 1 | 2 | 1 | | | | | | | | | | 1 | |
| HR619 | | 1 | | 1 | | | | 1 | | | | | 1 | |

| SITE | GCP | GCI | GCRF | ASPH | SHEL | SJPL | SJIN | TCHF | GCST | CONW | BONE | MDPL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BO002 | 133 | | | 1 | | 3 | | | | | | |
| BO004 | 27 | | | | | 46 | | | | | 3 | |
| BO012 | 460 | | | | | 10 | | | | | | |
| BO013 | 271 | 1 | | | | 22 | | | | | | |
| BO035 | 625 | 4 | | | | 120 | 1 | | | | 2 | |
| BO050 | 253 | | | | | 10 | | | | | | |
| BO126 | 61 | | | | | | | | | | | |
| CH001 | 7 | | | | | | | | | | | |
| CH007 | 17 | | 1 | | | 16 | | | | | | |
| CH008 | 63 | 4 | | | | | | 2 | | | | |
| CH009 | 119 | 1 | | | | 1 | | | | | | |
| CH010 | 30 | 3 | | | | 21 | 1 | 4 | | | | |
| CH013 | 170 | | | | | 2 | | 193 | | | | |
| CH014 | 68 | | | | | 5 | | 16 | | | | |
| CH015 | 65 | | | | | | | | | | | |
| CH016 | 818 | 1 | 19 | | 3 | | | 92 | | 11 | | 58 |
| CH017 | 665 | | | | 3 | 1 | | 31 | 1 | | | |
| CH019 | 18 | | | | | 28 | | | | | | |
| CH020 | 394 | 29 | | | 1 | 24 | | 226 | | 8 | | 1 |
| CH021 | 60 | 1 | | | | 3 | | | | | | |
| CH022 | 87 | 3 | | | | 55 | 1 | | | | 1 | |
| CH023 | 40 | | | | | | | | | | | |
| CH024 | 319 | 17 | 10 | | | | | 9 | | 1 | | 3 |
| CH025 | 48 | | | | | 11 | | | | | | |
| CH026 | 91 | 2 | 1 | | | 13 | 1 | | | | | |
| CH027 | 12 | | | | | 6 | | | | | | |
| CH028 | 88 | 1 | | | 1 | 75 | 5 | | | | 1 | |
| CH029 | 3 | | | | | 9 | | | | | | |
| CH030 | 6 | | | | | | | | | | | |
| CH031 | 66 | 2 | | | | 125 | 7 | | | | 9 | |
| CH032 | 720 | 13 | 21 | | | 181 | 6 | 107 | | 21 | | 3 |
| CH033 | 41 | | | | | 3 | | | | 1 | | |
| CH034 | | | | | | 2 | | | | | | |
| CH035 | 20 | | | | | 14 | 1 | | | | | |
| CH036 | 1245 | 88 | 52 | | 9 | 288 | 28 | | | | 1 | |
| CH037 | 26 | 4 | | | | 92 | 3 | | | | 5 | |
| CH038 | 18 | 1 | | 2 | | 34 | 1 | | | | 1 | |
| CH039 | 3 | | | | | 2 | | | | | | |
| CH040 | 12 | | | | | 38 | | | | | | |
| CH041 | 56 | 3 | | | | 84 | 3 | | | | | |
| CH043 | 9 | | | | | 4 | | | | | | |
| CH044 | 41 | | | | | 13 | 1 | | | | | |
| CH045 | 9 | | | | | 6 | | | | | | |
| CH046 | 686 | 18 | 6 | | | 79 | 2 | | | 7 | 4 | |
| CH047 | 660 | | | | | | | | | | | |
| CH049 | 9 | | | | | | | | | | | |
| CH051 | 31 | | | | 1 | 83 | 2 | | | | 4 | |
| CH052 | 99 | | | | | | | 3 | 1 | 3 | | 6 |
| CH053 | 4 | | | | | | | | | | 1 | |
| CH054 | 88 | 1 | | | 7 | 47 | 7 | | | | 8 | |
| CH057 | 121 | 3 | | | 8 | 31 | 3 | | | | 25 | |

| SITE | GCP | GCI | GCRF | ASPH | SHEL | SJPL | SJIN | TCHF | GCST | CONW | BONE | MDPL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CH060 | 1 | | | | | 4 | 1 | | | | | |
| CH061 | 19 | | | | | 4 | | | | | | |
| CH062 | 714 | 15 | 2 | | | 160 | 4 | | | 10 | 2 | |
| CH063 | 36 | | | | | 40 | 1 | | | | | |
| CH065 | 2 | | | | | | | | | | | |
| CH066 | 2 | | | | | | | | | | | |
| CH067 | 49 | 1 | | | | 6 | 2 | | | | | |
| CH068 | 84 | 2 | | | | 43 | 5 | | | | | |
| CH069 | 34 | 1 | | | | 35 | | | | | | |
| CH070 | 141 | 7 | | | 2 | 320 | 26 | | | | 7 | |
| CH072 | 17 | | | | | | | 35 | | | | |
| CH074 | 7 | | | | | 11 | | | | | | |
| CH075 | 26 | | | | | 19 | | | | | | |
| CH076 | | | | | | 3 | 1 | | | | | |
| CH077 | 31 | | | | | 7 | | | | | 1 | |
| CH080 | 98 | 1 | | | | 1 | | | 1 | | | |
| CH081 | 1 | | | | | | | | | | | |
| CH083 | 3 | | | | | 2 | 1 | | | | | |
| CH087 | 148 | 3 | | | | | | | 1 | | | |
| CH088 | 9 | | | | | | | | | | | |
| CH089 | 2 | | | | | | | | | | | |
| CH098 | 332 | 9 | | | | 301 | 8 | | | | 4 | |
| CH101 | 225 | | | | | | | 3 | | | | |
| CH103 | 570 | 19 | | | 1 | 193 | 5 | | | | 11 | |
| CH106 | 251 | 5 | 1 | | | 10 | | | | | | |
| CH107 | 7 | | | | | 2 | | | | | | |
| CH108 | 14 | | | | | 1 | | | | | | |
| CH109 | 7 | 1 | | | | 14 | | | | | 2 | |
| CH110 | 1489 | 56 | 132 | 465 | 32 | 299 | 30 | | | | 28 | |
| CH112 | 1 | | | | | | | | | | | |
| CH117 | 9 | | | | | 5 | 2 | | | | | |
| CH118 | 4 | 1 | | | | | | | | | | |
| CH119 | 81 | 2 | | | | 75 | 4 | | | | 1 | |
| CH121 | 6 | | | | | 22 | | | | | | |
| CH123 | 1 | | | | | | | | | | | |
| CH125 | | | | | | 2 | 1 | | | | | |
| CH131 | 33 | | | | | | | | 1 | | | |
| CH135 | 168 | 3 | | | | | | | | | | |
| CH136 | 45 | | | | | | | | | | | |
| CH137 | 39 | 8 | 2 | | | | | | | | | |
| CH146 | 8 | | | | | | | | | | | |
| CH169 | 36 | | | | | 28 | 4 | | | | | |
| CH170 | 10 | | | | | | | | | | | |
| CH172 | 10 | | | | | | | | | 2 | | |
| FB011 | 466 | 3 | | | | 3 | | | | | 65 | |
| GV005 | 347 | | | | | 61 | 12 | | | | 35 | |
| GV006 | 180 | 60 | | | | 1257 | 167 | | | | 33 | |
| GV082 | 6 | | | | | 66 | | | | | 6 | |
| HR039 | 579 | 11 | 2 | | 6 | 15 | | | | | | |
| HR050 | 2304 | 32 | 10 | | | 357 | 25 | | | | | |
| HR056 | 133 | 8 | 3 | | | 46 | 3 | | | | 1 | |
| HR059 | 16 | | | | | 108 | 8 | | | | | |

| SITE | GCP | GCI | GCRF | ASPH | SHEL | SJPL | SJIN | TCHF | GCST | CONW | BONE | MDPL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HR071 | 250 | 13 | | | | 10 | 2 | | | | | |
| HR072 | 74 | 7 | | | | | | | | | | |
| HR073 | 3679 | 172 | | | | 80 | 6 | | | | | |
| HR074 | 1791 | 18 | | | | | | | | | 18 | |
| HR080 | 1451 | 47 | 7 | | | 5 | 1 | 33 | 8 | 23 | 1 | 9 |
| HR081 | 272 | | | | | | | | | | | |
| HR082 | 3934 | 73 | | | | 189 | | 1 | 2 | | | |
| HR085 | 391 | 2 | | | | 2 | | 24 | 1 | | 2 | 1 |
| HR133 | 11 | | | | | 2 | | | | | 2 | |
| HR146 | 104 | | | | | | | | | | | |
| HR147 | 5 | | | | | | | | | | | |
| HR161 | 557 | 1 | | | | | | 17 | | | | 3 |
| LB004 | 135 | 3 | | | | 87 | 1 | | | | 2 | |
| LB048 | 405 | | | | | 70 | | | | 6 | | |

| SITE | DATE1 | DATE2 | DATE3 | DATE4 | DATE5 | DATE6 | DATE7 | DATE8 | DATE9 |
|---|---|---|---|---|---|---|---|---|---|
| BO015 | 860 | 180 | | | | | | | |
| BO035 | 2360 | 2370 | 1830 | 1250 | 1680 | 1330 | | | |
| BO050 | 1650 | 1870 | | | | | | | |
| BO126 | 1450 | 1800 | 1440 | | | | | | |
| CH013 | 1840 | 1560 | 1990 | 1890 | 2280 | 2070 | | | |
| CH016 | 2540 | 1810 | 1400 | 2040 | 1880 | 1890 | 1780 | 1900 | 2240 |
| CH020 | 840 | 820 | 1550 | | | | | | |
| CH024 | 1560 | | | | | | | | |
| CH032 | 2615 | 1599 | | | | | | | |
| CH036 | 720 | 1100 | 1300 | 1120 | 1470 | | | | |
| CH046 | 1120 | 1740 | 814 | | | | | | |
| CH047 | 1221 | 1970 | | | | | | | |
| CH053 | 290 | | | | | | | | |
| CH056 | 2665 | 2665 | 2800 | 2780 | 2680 | 2640 | 2605 | | |
| CH057 | 3670 | | | | | | | | |
| CH098 | 1060 | 1310 | | | | | | | |
| CH110 | 500 | 390 | 410 | 800 | 760 | 740 | 880 | 560 | 620 |
| CH170 | 1110 | | | | | | | | |
| CH172 | 3270 | | | | | | | | |
| GV005 | 490 | 430 | 450 | 830 | 670 | | | | |
| GV010 | 740 | 2450 | | | | | | | |
| GV082 | 895 | | | | | | | | |
| HR050 | 850 | 1510 | | | | | | | |
| HR056 | 950 | 1190 | 1840 | | | | | | |
| HR061 | 1900 | 3350 | | | | | | | |
| HR080 | 640 | 2140 | 3670 | | | | | | |
| HR085 | 1500 | 2170 | | | | | | | |
| HR618 | 450 | | | | | | | | |
| OR049 | 500 | | | | | | | | |

| SITE | SCRP | UPRF | BPRF | KNIF | BFTL | FLAK | CORE | GRAV |
|---|---|---|---|---|---|---|---|---|
| BO004 | 1 | | | | | 51 | | |
| BO012 | | | 1 | | | 52 | | |
| BO035 | | | | | | 68 | | |
| BO050 | | | | | | 115 | | |
| CH013 | | | | 1 | | 8 | | |
| CH014 | | | | | | 2 | | |
| CH016 | | | | | | 2 | | |
| CH017 | | | | | | 2 | | |
| CH018 | 17 | | | | 1 | 39 | | |
| CH019 | 1 | | | | 1 | 2 | | |
| CH020 | | | | | | 4 | | |
| CH021 | | | | | | 1 | | |
| CH022 | 1 | | | | | 9 | | |
| CH024 | | | | | | 4 | | |
| CH025 | | | | | | 1 | | |
| CH026 | 1 | | | | | 1 | | |
| CH027 | | | | | | 4 | | |
| CH028 | | | | | | 3 | | |
| CH029 | | | | | | 1 | | |
| CH030 | | | | | | 1 | | |
| CH031 | 2 | | 1 | | | 139 | | |
| CH032 | | | 1 | | | 31 | | |
| CH033 | | | | | | 44 | | |
| CH034 | | | | | | 1 | | |
| CH036 | | | | | | 44 | | |
| CH037 | | | | | | 6 | | |
| CH038 | | | | | | 4 | | |
| CH041 | | | | | | 5 | | |
| CH042 | 1 | | | | 1 | | | |
| CH044 | | 1 | | | 1 | 5 | | |
| CH046 | | 1 | | | | 14 | | |
| CH047 | | | | | | 33 | | |
| CH051 | | | | | 1 | 7 | | |
| CH053 | | | | | | 1 | | |
| CH054 | | | | | | 10 | | |
| CH056 | | | | | | 5 | | |
| CH057 | 2 | | | | | 5 | | |
| CH060 | | | | | 1 | | | |
| CH062 | 3 | | | | 1 | 38 | | |
| CH063 | | | | | | 5 | | |
| CH065 | | | | | | 1 | | |
| CH068 | 1 | | | | | 15 | | |
| CH069 | | | | | | 5 | | |
| CH070 | 1 | | | | 1 | 29 | | |
| CH072 | | | | | | 2 | | |
| CH074 | 1 | | | | | 1 | | |
| CH076 | 1 | | | | | | | |
| CH080 | | | | | | 2 | | |
| CH087 | | | | | | 1 | | |
| CH088 | | | | | 1 | | | |
| CH098 | 2 | | | 1 | | 136 | | |

| SITE | SCRP | UPRF | BPRF | KNIF | BFTL | FLAK | CORE | GRAV |
|---|---|---|---|---|---|---|---|---|
| CH103 | 16 | | 1 | 3 | 1 | 126 | | |
| CH106 | | | | | | 40 | | |
| CH109 | 4 | | | | 1 | 12 | | |
| CH110 | 2 | | | | | 285 | | |
| CH119 | 2 | | | | 1 | | | |
| CH137 | | | | | | 1 | | |
| CH169 | | | | | | 7 | | |
| CH172 | | | | | | 29 | | |
| FB011 | | | | | | 645 | | |
| GV005 | | 1 | 8 | | | 229 | | |
| GV006 | 5 | 2 | | | | 308 | | |
| GV082 | | | | | | 9 | | |
| HR039 | 2 | | | | | 30 | | |
| HR050 | | | 1 | | | 38 | 2 | |
| HR056 | | | | | | 3 | | |
| HR059 | | | | | | 1 | | |
| HR071 | | | 2 | 2 | | | | |
| HR072 | | | | 2 | | 14 | | |
| HR073 | 19 | 5 | | 2 | | 5000 | 10 | 3 |
| HR074 | 1 | | | 1 | | 61 | | 1 |
| HR080 | 3 | | 1 | | | 631 | | 2 |
| HR081 | | | 1 | | | | | |
| HR082 | 1 | | 3 | 1 | | 364 | | |
| HR085 | | | 1 | | | 275 | | |
| HR144 | 1 | | | | | | | |
| HR146 | | | | | | 8 | | |
| HR147 | 1 | | | | | | | |
| HR150 | | | | | | 11 | | |
| LB004 | 3 | | 7 | | | 415 | | |
| LB048 | | | | | | 70 | | |

| SITE | DEER | LTRT | SNAK | RAT | LBRD | BISN | RABB | GOPH | SKUN | MOUS | RACC | OPOS | SQRL | MRAT | BEAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BO002 | Y | | | | | | | | | | | | | | |
| BO035 | Y | | | | | | | | | | | | | | |
| BO126 | Y | | | | | | | | | | | | | | |
| CH014 | Y | | | | Y | | | | | | | | | | |
| CH016 | Y | Y | Y | | Y | Y | Y | | | | | Y | | | |
| CH022 | Y | | | | | | | | | | | | | | |
| CH031 | Y | | Y | | | Y | Y | | | | Y | | | Y | |
| CH032 | Y | | Y | Y | | | Y | Y | Y | Y | | | | Y | |
| CH033 | Y | Y | | | | | | | | | | | | | |
| CH046 | Y | Y | Y | Y | Y | | Y | | Y | | Y | | | | Y |
| CH047 | Y | | | Y | | | Y | | | | | | | | |
| CH052 | Y | Y | | | Y | | | | | | | | | | |
| CH054 | Y | | | | | | | | | | | | | | |
| CH062 | Y | | | | | | Y | Y | | | | | | | |
| CH110 | Y | Y | Y | Y | | Y | Y | | Y | Y | Y | Y | | Y | Y |
| CH170 | Y | | | | | | | | | | | | | | |
| CH172 | Y | Y | | Y | | Y | | | | | Y | | | | |
| GV082 | Y | | | | | | | | | | | | | | |
| HR039 | Y | | | | | Y | | | | | | | | | |
| HR050 | Y | Y | | Y | Y | Y | Y | Y | | | Y | Y | Y | | |
| HR072 | Y | | | | | | | | | | | | | | |
| HR074 | Y | Y | | | Y | | | | | | | | | | |
| HR080 | Y | | | | | | | | | | | | | | |
| HR081 | Y | | | | | | | | | | | | | | |
| HR082 | Y | Y | Y | | | Y | | | | | Y | Y | Y | | |
| HR085 | Y | | | | | | | | | | | | | | |
| HR133 | Y | Y | | | | | | | | | | | | | |
| LB048 | Y | | | | | | | | | | | Y | | | |

| SITE | RANG | ALLI | WBRD | WTRT | GAR | MFSH | FROG | SHRK | CATF | DRUM | REDF | STRT | BFIN | OYST | SPHD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BO002 | | | | | | | | | | | | | | Y | |
| BO035 | Y | | | | | | | | | | | | | | |
| BO126 | Y | | | Y | | | | | | | | | | | |
| CH013 | Y | | | | | | | | | | | | | Y | |
| CH014 | Y | | | | | | | | | | | | | Y | |
| CH016 | Y | Y | | | Y | | Y | | Y | Y | | | | | |
| CH017 | Y | | | | | | | | | | | | | | |
| CH022 | Y | | | Y | Y | Y | | | Y | | | | | | |
| CH031 | Y | Y | | Y | Y | Y | | | | | | | | | |
| CH032 | Y | Y | Y | Y | Y | Y | | Y | Y | Y | | Y | | Y | |
| CH033 | Y | | | | Y | Y | | | | | | | | | |
| CH046 | Y | Y | Y | Y | Y | Y | Y | | Y | Y | Y | Y | | Y | Y |
| CH047 | Y | | | Y | Y | Y | Y | | Y | Y | | | | Y | Y |
| CH052 | Y | | | | | Y | | | | | | | | Y | |
| CH054 | Y | | | | Y | | | | Y | | | | | | |
| CH056 | Y | | | Y | Y | Y | | | Y | | | Y | Y | Y | Y |
| CH062 | Y | | Y | Y | Y | | | | Y | Y | | | | | |
| CH110 | Y | Y | Y | Y | Y | Y | | | Y | Y | | | Y | Y | Y |
| CH170 | Y | | | Y | Y | Y | | | | | | | | | |
| CH172 | Y | Y | Y | Y | Y | Y | | | Y | | | Y | | Y | |
| GV001 | | | | | | | | | | | | | | Y | |
| GV006 | | | | | | | | | | | | | | Y | |
| GV082 | Y | | | | | Y | | | | Y | | | | | |
| HR039 | Y | Y | | Y | Y | Y | | | | | | | | Y | |
| HR045 | Y | | | | | | | | | | | | | | |
| HR050 | Y | Y | | Y | Y | Y | | | | Y | | | | Y | |
| HR056 | Y | | | | | | | | | | | | | Y | |
| HR059 | Y | | | | | | | | | | | | | Y | |
| HR072 | Y | | | | | | | | | | | | | | |
| HR074 | Y | | | | Y | Y | | | | | | | | Y | |
| HR080 | Y | | | | | | | | | Y | | | | Y | |
| HR081 | Y | | | | | | | | | | | | | | |
| HR082 | Y | Y | Y | Y | Y | | | | Y | Y | | | | | Y |
| HR085 | Y | | | | | | | | | | | | | Y | |
| HR133 | Y | | | | Y | | | | | | | | | | |
| HR141 | Y | | | | | | | | | | | | | | |
| HR147 | Y | | | | | | | | | | | | | | |
| HR172 | Y | | | | | | | | | | | | | | |
| HR173 | Y | | | | | | | | | | | | | | |
| HR174 | Y | | | | | | | | | | | | | | |
| HR233 | Y | | | | | | | | | | | | | | |
| HR618 | Y | | | | | | | | | | | | | | |
| HR619 | Y | | | | | | | | | | | | | | |
| LB048 | Y | | | Y | Y | Y | | | Y | | | | | | |

| SITE | INBN | BNTL | ASPH | SSTN | OCHR | SHTL |
|---|---|---|---|---|---|---|
| BO002 | | Y | | | | |
| BO004 | | | | | | Y |
| BO012 | | Y | | Y | | Y |
| BO035 | | Y | Y | | | Y |
| BO050 | Y | | | | | Y |
| CH009 | | | | Y | | |
| CH013 | | | | Y | Y | |
| CH014 | | Y | | | | |
| CH016 | | | | Y | Y | |
| CH017 | | Y | | Y | | |
| CH020 | | | Y | | | |
| CH028 | | | | Y | | |
| CH031 | | Y | | | | |
| CH032 | | Y | | Y | | |
| CH036 | | Y | Y | Y | | |
| CH038 | | | Y | | | |
| CH046 | | Y | | Y | | |
| CH052 | | | | Y | | |
| CH054 | | | Y | Y | | |
| CH057 | | | | Y | | |
| CH062 | Y | | | Y | | |
| CH098 | | | | Y | Y | |
| CH110 | | Y | | Y | | |
| CH137 | | | | | Y | |
| CH169 | | | | Y | | |
| GV001 | | | | | Y | |
| GV005 | Y | Y | Y | | | |
| GV006 | | | Y | Y | | |
| HR050 | Y | Y | Y | Y | | |
| HR056 | Y | Y | | Y | | |
| HR059 | | Y | | Y | | |
| HR073 | | Y | | | | |
| HR074 | | | | Y | | |
| HR080 | Y | Y | | | Y | |
| HR082 | Y | Y | | Y | | |
| HR085 | | Y | | | | |
| HR146 | | | | | Y | |
| LB004 | | | Y | Y | Y | |
| LB048 | | Y | | | | |

| SITE | ARTI | NUM | GODS | TYPE | DIRB | DISE |
|---|---|---|---|---|---|---|
| BO002 | Y | 8 | Y | FL | VAR | |
| CH013 | Y | 4 | Y | FLST | NE | |
| CH016 | Y | 3 | Y | FLST | W | |
| CH032 | Y | 1 | | FL | NE | |
| CH110 | Y | 2 | Y | FL | SW | |
| CH172 | | 1 | | | | Y |
| GV001 | Y | 65 | Y | FL | VAR | |
| GV005 | Y | 19 | Y | FL | VAR | |
| HR080 | Y | 34 | Y | FL | VAR | |
| HR081 | | 1 | | | | |

Table 11

Coastal Margin Miscellaneous Artifacts
(non-comtuterized data)

| | |
|---|---|
| 41BO2 | 1 shell pendant, 5 shell beads, 1 bone bead |
| BO35 | fishhook barb, corner-tang biface |
| 41CH13 | 2 conch coumella beads, i Oliva bead, 1 conch shell gorget |
| 41CH20 | glass beads |
| 41CH28 | burin |
| 41CH32 | bifacial chopper, bone bead |
| 41CH38 | gunflint |
| 41CH40 | ceramic turtle effigy |
| 41CH46 | cord impressed pottery |
| 41CH53 | gunflint, glass beads, 2 early historic Anglo sherds |
| 41CH54 | 12 early historic Anglo sherds |
| 41CH57 | gunflint, 55 early historic Anglo sherds |
| 41CH70 | 1 Neches Fingernail Impressed sherd |
| 41CH75 | shell bead |
| 41CH103 | gunflint, glass beads |
| 41CH110 | glass beads, pipe fragments, beaver, mink |
| 41GV1 | bone pendant, shell beads, turtle shell rattle |
| 41GV5 | bone beads, bone pendant, canine tooth pendant |
| 41GV6 | 7 microtools |
| 41HR39 | mano fragment, early historic ceramics, glass, metal |
| 41HR50 | bone fishhooks |
| 41HR80 | 3 grinding stones, 67 shell beads, 3 bone flutes, 6 bone dice, 1 antler flaker, fishhook barb, conch shell pendant, Plainview point |
| 41HR82 | cord impressed pottery, 2 net sinkers, 3 sandstone abraders, 1 bifacial chopper, 3 antler flakers |
| 41HR85 | 2 shell beads |
| 41LB4 | glass bead |

# Coastal Margin Site Publication List for Data Base

| | |
|---|---|
| 41BO2 | Hole and Wilkinson 1973 |
| 41BO4 | Aten 1983a:Tables 12.2, 13.3, 13.4 |
| 41BO12 | Aten 1983a:Tables 12.2, 13.1, 13.2, 13.3 |
| 41BO13 | Aten 1983a:Table 12.2 |
| 41BO15 | Aten 1983a:Table 14.1 |
| 41BO35 | Aten 1971, 1983a:Tables 12.2, 14.1 |
| 41BO50 | Aten 1983a:Tables 12.2, 13.1, 13.3, 14.1 |
| 41BO126 | Aten 1983a:Table 14.1, Dering and Ayers 1977 |
| 41CH1 | Shafer 1966 |
| 41CH6 | Ambler 1970 |
| 41CH7 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH8 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH9 | Ambler 1970 |
| 41CH10 | Ambler 1970 |
| 41CH11 | Ambler 1970 |
| 41CH12 | Ambler 1970 |
| 41CH13 | Shafer 1966, Ambler 1967, 1973, Aten 1983a:Table 14.1 |
| 41CH14 | Shafer 1966, Ambler 1967, 1973 |
| 41CH15 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH16 | Shafer 1966, Ambler 1967, 1973, Aten 1983a:Tables 12.2, 14.1 |
| 41CH17 | Shafer 1966, Ambler 1967, 1973 |
| 41CH18 | Shafer 1966 |
| 41CH19 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH20 | Shafer 1966, Ambler 1970:Table 2, Aten 1983a:Tables 12.2, 14.1 |
| 41CH21 | Shafer 1966 |
| 41CH22 | Shafer 1966, Ambler 1970:Table 2, Fox, Day and Highley 1980 |
| 41CH23 | Shafer 1966 |
| 41CH24 | Shafer 1966, Aten 1983a:Tables 12.2, 13.4, 14.1 |
| 41CH25 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH26 | Shafer 1966 |
| 41CH27 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH28 | Shafer 1966, Ambler 1970Table 2 |
| 41CH29 | Shafer 1966 |
| 41CH30 | Shafer 1966 |
| 41CH31 | Shafer 1966, Aten 1983a:Tables 13.1, 13.3, Aten 1983b |
| 41CH32 | Shafer 1966, Aten 1983a:Tables 12.2, 14.1, Aten et al 1976:Table 10, Dillehay 1975 |
| 41CH33 | Shafer 1966, Ambler 1970:Table 2, Dillehay 1975 |
| 41CH34 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH35 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH36 | Shafer 1966, Aten 1983a:Tables 12.2, 13.1, 13.3, 14.1 |
| 41CH37 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH38 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH39 | Shafer 1966 |
| 41CH40 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH41 | Shafer 1966. Ambler 1970:Table 2 |
| 41CH42 | Ambler 1970 |

| | |
|---|---|
| 41CH43 | Shafer 1966 |
| 41CH44 | Shafer 1966, Ambler 1970:Table 2 |
| 41CH45 | Shafer 1966 |
| 41CH46 | Ambler 1970, Aten 1983a:Tables 13.1, 13.2, 13.4, 14.1, Dillehay 1975 |
| 41CH47 | Ambler 1970, Aten 1983a:Table 14.1, Dillehay 1975 |
| 41CH48 | Ambler 1970 |
| 41CH49 | Shafer 1966, Aten 1983a:Table 14.1 |
| 41CH50 | Ambler 1970 |
| 41CH51 | Ambler 1970 |
| 41CH52 | Shafer 1966, Ambler 1967, 1973, Aten 1983a:Table 12.2 |
| 41CH53 | Ambler 1970, Aten 1983a:Table 14.1 |
| 41CH54 | Ambler 1970; Fox, Day and Highley 1980 |
| 41CH55 | Ambler 1970 |
| 41CH56 | Ambler 1970, Weinstein and Whalan 1987 |
| 41CH57 | Ambler 1970, Aten 1983a:Table 14.1, Fox, Day and Highley 1980 |
| 41CH60 | Ambler 1970 |
| 41CH61 | Ambler 1970 |
| 41CH62 | Ambler 1970; Fox, Day and Highley 1980 |
| 41CH63 | Ambler 1970 |
| 41CH64 | Ambler 1970 |
| 41CH65 | Ambler 1970 |
| 41CH66 | Ambler 1970 |
| 41CH67 | Ambler 1970 |
| 41CH68 | Ambler 1970 |
| 41CH69 | Ambler 1970 |
| 41CH70 | Ambler 1970 |
| 41CH71 | Ambler 1970 |
| 41CH72 | Ambler 1970 |
| 41CH73 | Ambler 1970 |
| 41CH74 | Ambler 1970 |
| 41CH75 | Ambler 1970 |
| 41CH76 | Ambler 1970 |
| 41CH77 | Ambler 1970 |
| 41CH78 | Ambler 1970 |
| 41CH79 | Ambler 1970 |
| 41CH80 | Ambler 1970, Aten 1983a:Tables 12.2, 13.1, 13.4 |
| 41CH81 | Ambler 1970 |
| 41CH82 | Ambler 1970 |
| 41CH83 | Ambler 1970 |
| 41CH84 | Ambler 1970 |
| 41CH85 | Ambler 1970 |
| 41CH86 | Ambler 1970 |
| 41CH87 | Ambler 1970, Aten 1983a:Table 12.2, 13.4 |
| 41CH88 | Ambler 1970 |
| 41CH89 | Ambler 1970 |
| 41CH90 | Ambler 1970 |
| 41CH91 | Ambler 1970 |
| 41CH92 | Ambler 1970 |
| 41CH93 | Ambler 1970 |
| 41CH94 | Ambler 1970 |
| 41CH95 | Ambler 1970 |
| 41CH96 | Ambler 1970 |

| | |
|---|---|
| 41CH97 | Ambler 1970 |
| 41CH98 | Ambler 1970, Aten 1983a:Tables 12.2, 13.1, 13.3, 13.4, 14.1 |
| 41CH99 | Ambler 1970 |
| 41CH100 | Ambler 1970 |
| 41CH101 | Ambler 1970 |
| 41CH103 | Ambler 1970 |
| 41CH104 | Ambler 1970 |
| 41CH105 | Ambler 1970 |
| 41CH106 | Ambler 1970, Aten 1983a:Tables 12.2, 13.1, 13.4 |
| 41CH107 | Ambler 1970 |
| 41CH108 | Ambler 1970 |
| 41CH109 | Ambler 1970 |
| 41CH110 | Ambler 1970, Aten 1983a:Tables 12.2, 13.1, 13.3, 13.4, 14.1, Gilmore 1974, Aten et al 1976:Table 10 |
| 41CH111 | Ambler 1970 |
| 41CH112 | Ambler 1970 |
| 41CH113 | Ambler 1970 |
| 41CH114 | Ambler 1970 |
| 41CH115 | Ambler 1970 |
| 41CH116 | Ambler 1970 |
| 41CH117 | Ambler 1970 |
| 41CH118 | Ambler 1970 |
| 41CH119 | Ambler 1970 |
| 41CH120 | Ambler 1970 |
| 41CH121 | Ambler 1970 |
| 41CH122 | Ambler 1970 |
| 41CH123 | Ambler 1970 |
| 41CH124 | Ambler 1970 |
| 41CH125 | Ambler 1970 |
| 41CH126 | Ambler 1970 |
| 41CH127 | Ambler 1970 |
| 41CH128 | Ambler 1970 |
| 41CH129 | Ambler 1970 |
| 41CH130 | Ambler 1970 |
| 41CH131 | Ambler 1970 |
| 41CH132 | Ambler 1970 |
| 41CH133 | Ambler 1970 |
| 41CH134 | Ambler 1970 |
| 41CH135 | Ambler 1970 |
| 41CH136 | Ambler 1970 |
| 41CH137 | Ambler 1970, Aten 1983a:Tables 12.2, 13.1, 13.4 |
| 41CH138 | Ambler 1970 |
| 41CH139 | Ambler 1970 |
| 41CH140 | Ambler 1970 |
| 41CH141 | Ambler 1970 |
| 41CH142 | Ambler 1970 |
| 41CH143 | Ambler 1970 |
| 41CH144 | Ambler 1970 |
| 41CH145 | Ambler 1970 |
| 41CH146 | Ambler 1970 |
| 41CH169 | Aten 1983a:Tables 12.2, 13.4 |
| 41CH170 | Aten 1983b, Dillehay 1973 |
| 41CH172 | Aten 1983a:Table 14.1, Dillehay 1975 |

| | |
|---|---|
| 41FB11 | Aten 1983a:Tables 12.2, 13.4 |
| 41GV1 | Aten et al 1976:Tables 8,11, Campbell 1957 |
| 41GV5 | Aten 1983a:Tables 12.2, 13.1, 13.2, 13.4, 14.1, Aten et al 1976:Tables 9,11 |
| 41GV6 | Aten 1983a:Tables 12.2, 13.1, 13.2, 13.3, 13.4 |
| 41GV82 | Bryant, Castille and Fullen 1985 |
| 41HR39 | Taylor et al 1985 |
| 41HR45 | Patterson and Marshall nd |
| 41HR50 | Ambler 1967, Aten 1983a:Tables 12.2, 14.1 |
| 41HR56 | Ambler 1967, Aten 1983a:Tables 12.2, 14.1 |
| 41HR59 | Ambler 1967, Aten 1983a:Table 12.2 |
| 41HR61 | Ring 1961 |
| 41HR71 | Duke 1974 |
| 41HR72 | Duke 1967 |
| 41HR73 | Duke 1970, 1971 |
| 41HR74 | Duke 1981 |
| 41HR80 | Aten 1983a:Tables 12.2, 14.1, Aten et al. 1976 |
| 41HR81 | O'Brien 1970 |
| 41HR82 | O'Brien 1971, 1974 |
| 41HR85 | Aten et al 1976 |
| 41HR133 | Moore 1985 |
| 41HR141 | O'Brien 1974:35 |
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| 41HR146 | O'Brien 1974:34 |
| 41HR147 | O'Brien 1974:35 |
| 41HR150 | O'Brien 1974:33 |
| 41HR161 | Aten 1983a:Table 12.2 |
| 41HR172 | Patterson and Marshall nd |
| 41HR173 | Patterson and Marshall nd |
| 41HR174 | Patterson and Marshall nd |
| 41HR233 | Patterson and Marshall nd |
| 41HR618 | Patterson and Marshall nd |
| 41HR619 | Patterson and Marshall nd |
| 41LB4 | Ambler 1970, Aten 1983a:Tables 13.1, 13.2, 13.3, 13.4 |
| 41LB48 | Fox, Day and Highley 1980 |
| 41OR49 | Eddleman and Akersten 1966 |

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Abbreviations:

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HASN Houston Archeological Society Newsletter
JHAS Houston Archeological Society Journal
TJS Texas Journal of Science


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