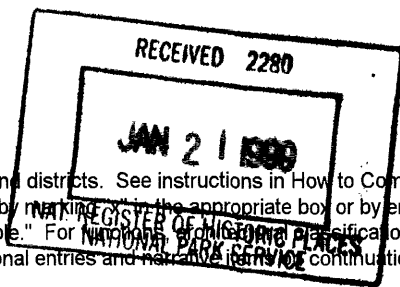


United States Department of the Interior  
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES  
REGISTRATION FORM



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This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in How to Complete the National Register of Historic Places Registration Form (National Register Bulletin 16A). Complete each item by marking in the appropriate box or by entering the information requested. If any item does not apply to the property being documented, enter "N/A" for "not applicable." For nomination, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name LSU Campus Mounds

other names/site number 16FBR6

2. Location

street & number corner of Dalrymple Drive and Fieldhouse Drive on LSU campus NA not for publication

city or town Baton Rouge NA vicinity

state Louisiana code LA county East Baton Rouge code 033 zip code 70803

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this X nomination    request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property X meets    does not meet the National Register Criteria. I recommend that this property be considered significant X nationally    statewide    locally. (   See continuation sheet for additional comments.)

Jon Fricker 1/11/99  
Signature of certifying official/Title Jonathan Fricker, Date  
Deputy SHPO, Dept. of Culture, Recreation and Tourism

State or Federal agency and bureau

In my opinion, the property    meets    does not meet the National Register criteria. (   See continuation sheet for additional comments.)

Signature of certifying official/Title \_\_\_\_\_ Date \_\_\_\_\_

State or Federal agency and bureau

4. National Park Service Certification

I, hereby certify that this property is:

- entered in the National Register  
   See continuation sheet.
- determined eligible for the National Register  
   See continuation sheet.
- determined not eligible for the National Register
- removed from the National Register
- other (explain):

[Signature] Signature of Keeper

Date of Action

3/1/99

[Signature]

5. Classification

Ownership of Property

(Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

Category of Property

(Check only one box)

- building(s)
- district
- site
- structure
- object

Number of Resources within Property

(Do not include previously listed resources in the count.)

Contributing    Noncontributing

_____	_____	buildings
_____	_____	sites
2	_____	structures (mounds)
_____	_____	objects
2	0	Total

Name of related multiple property listing

(Enter "N/A" if property is not part of a multiple property listing.)

NA

Number of contributing resources previously listed in the National Register

0

6. Function or Use

Historic Functions

(Enter categories from instructions)

Cat. Religion

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Sub. Religious facility

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Current Functions

(Enter categories from instructions)

Cat. Vacant

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Sub. Not In Use

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. Description

Architectural Classification

(Enter categories from instructions)

Other: earthen mounds

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Materials

(Enter categories from instructions)

foundation \_\_\_\_\_

walls \_\_\_\_\_

roof \_\_\_\_\_

other earth

\_\_\_\_\_

\_\_\_\_\_

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

**8. Statement of Significance**

**Applicable National Register Criteria**

(Mark "X" next to the criteria qualifying the property for National Register listing)

- A** Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B** Property is associated with the lives of persons significant in our past.
- C** Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D** Property has yielded, or is likely to yield information important in prehistory or history.

**Criteria Considerations**

(Mark "X" next to all that apply.)      NA

- A** owned by a religious institution or used for religious purposes.
- B** removed from its original location.
- C** a birthplace or a grave.
- D** a cemetery.
- E** a reconstructed building, object, or structure.
- F** a commemorative property.
- G** less than 50 years of age or achieved significance within the past 50 years.

**Areas of Significance**

(Enter categories from instructions)

Archaeology/Prehistoric

Ethnic Heritage/Native American

**Period of Significance**

3000 B.C. - 2000 B.C.

**Significant Dates**

3000 B.C. - 2000 B.C.

**Significant Person**

(Complete if Criterion B is marked above)

NA

**Cultural Affiliation**

Archaic

Coles Creek

**Architect/Builder**

NA

**Narrative Statement of Significance**

(Explain the significance of the property on one or more continuation sheets.)

**9. Major Bibliographical References**

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

- Previous documentation on file (NPS):**      NA
- preliminary determination of individual listing (36 CFR 67) has been requested.
  - previously listed in the National Register
  - previously determined eligible by the National Register
  - designated a National Historic Landmark
  - recorded by Historic American Buildings Survey # \_\_\_\_\_
  - recorded by Historic American Engineering Record # \_\_\_\_\_

**Primary location of additional data:**

- State Historic Preservation Office
  - Other State agency
  - Federal agency
  - Local government
  - University
  - Other
- Name of repository: Louisiana State University

LSU Campus Mounds  
Name of property

East Baton Rouge Parish, LA  
County and State

## 10. Geographical Data

**Acreage of Property**      Approximately 2 acres

### UTM References

(Place additional UTM references on a continuation sheet)

Zone Easting Northing    Zone Easting Northing

1 15 674680    3366000

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

\_\_\_ See continuation sheet.

### Verbal Boundary Description

(Describe the boundaries of the property on a continuation sheet.)

### Boundary Justification

(Explain why the boundaries were selected on a continuation sheet.)

## 11. Form Prepared By

name/title Christopher T. Hays  
Regional Archaeology Program  
organization Louisiana State University      date November 1998  
119 Foster Hall  
street & number Louisiana State University      telephone (225) 388-6739  
city or town Baton Rouge      state LA      zip code 70803

### Additional Documentation

Submit the following items with the completed form:

#### Continuation Sheets

#### Maps

A **USGS** map (7.5 or 15 minute series) indicating the property's location.  
A **sketch map** for historic districts and properties having large acreage or numerous resources.

#### Photographs

Representative **black and white** photographs of the property.

#### Additional items

(Check with the SHPO or FPO for any additional items)

### Property Owner

(Complete this item at the request of the SHPO or FPO.)

name Dr. Daniel M. Fogel, Executive Vice-Chancellor and Provost  
street & number Louisiana State University      telephone (225) 388-8863  
city or town Baton Rouge      state LA      zip code 70803

**Paperwork Reduction Act Statement:** This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

**Estimated Burden Statement:** Public reporting burden for this form is estimated to average 18.1 hours per response including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Project (1024-0018), Washington, DC 20503.

United States Department of the Interior  
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CONTINUATION SHEETSection 7 Page 1**Summary:**

The LSU Campus Mounds site (16EBR6), which is located on the campus of Louisiana State University in Baton Rouge, contains two conically shaped mounds (A and B) that range from 5.3 m (17.5 ft) to 5.2 m (17.2 ft) in height and 39.6 m (130.7 ft) to 36.5 m (120.5 ft) in diameter at the base. Although there has been some recent modification to the edges of the mounds, they are in generally excellent condition and well preserved. In 1982 archaeologists and soil scientists extracted soil cores from the top of the mounds to the subsoil below the mounds. Radiometric dating of bulk humate samples taken from the base of Mound A indicate that it was constructed during the Meso-Indian or Archaic period about 5000 years ago. Based on its proximity to Mound A and its similar stratigraphy, archaeologists assume that Mound B was constructed during the same period.

**Site Setting and Description:**

The LSU Campus Mounds site consists of two conically shaped earthen mounds at the eastern edge of the Pleistocene Prairie terrace. They are located at the corner of Dalrymple Drive and Fieldhouse Drive in the northeast corner of the Louisiana State University campus in Baton Rouge (Figures 1 and 2). While the mounds are within the boundaries of a LSU historic district listed on the National Register, archaeological resources were not addressed in the nomination form. (The district was listed for its architectural significance.)

The northernmost mound, Mound A, is about 5.3 m (17.5 ft) in height and 39.6 m (130.7 ft) in diameter at the base. Mound B, which is located about 18 m (59.5 ft) south of Mound A, is about 5.2 m (17.2 ft) in height and 36.5 m (120.5 ft) in diameter at the base. Originally the mounds were probably higher since it is evident that they have been subject to some erosion. The mounds and the general site area are currently covered in grass, which is periodically mowed. Mound A has a tree growing near the summit on the eastern slope, and Mound B has a tree growing midway up its eastern slope. Because the mounds are on state property they are protected from damage from construction or vandals.

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There have been several minor modifications to the site area in recent years. In 1985 sidewalks were constructed between the mounds and a low brick wall was constructed around the mounds. The latter structure was built to prevent the reoccurrence of a tragic accident during which a student was killed by a vehicle riding over the top of Mound B. While the brick walls have prevented any vehicles from riding over the mounds, LSU students and visitors continue to walk, run, and ride bicycles on the mounds, which contributes to their erosion. In 1996 some minor restorations took place on the mounds. LSU Facility Services used river silt to fill in small erosional features that had formed on the summit and slopes of both mounds and then resodded these areas with a hybrid bermuda grass.

**Previous Investigations:**

To date, archaeologists have not conducted any major excavations of the mounds, but there have been very limited investigations within the mounds and on their peripheries. In 1982 LSU archaeologists and soil scientists used a Giddings Soil Corer to extract six closely spaced soil cores (average diameter=5 cm) from Mound A and three soil cores from Mound B. The cores began at the mound summits and continued through to the subsoil below the mounds. The core lengths ranged in size from about 5.8 m to 6.2 m (19.2-20.5 ft). In 1985 LSU archaeologists conducted limited excavations along the peripheries of the mounds in areas of proposed landscape modifications. They excavated three 1 m x 1 m (3.3 ft x 3.3 ft) units along the western edge of Mound A and two 1 m x 1 m (3.3 ft x 3.3 ft) units along the western edge of Mound B. The units were placed judgementslly where a brick wall was to be constructed around the mounds. Eighteen auger holes were also excavated in the path of the proposed brick wall. In addition, archaeologists excavated six .25 m x .25 m (.83 ft x .83 ft) shovel tests to depths ranging from .7 to 1.2 m (2.3 to 3.9 ft) below surface. The shovel tests were placed where lamp posts were to be built. Archaeologists conducted a proton magnetometer survey across the site area, but the results were inconclusive. Finally, they monitored the excavation of a backhoe trench along the western edge of both trenches where a sidewalk was to be constructed.

The soil from the cores was carefully analyzed and subjected to numerous chemical tests, and pollen was extracted from some of the samples. Unfortunately, the concentration of pollen grains was too low to make conclusive statements about the

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environment. However, analysis of the soil revealed some interesting stratigraphic variation between the mounds. Mound A contains a number of dark bands with sharp boundaries separating them from heterogeneous zones representing a mixture of different soil horizons (Homburg 1988:95). Archaeologists also noted evidence of basket loading in Mound A, as well as a fired zone, possibly indicative of a fire hearth. By contrast, the Mound B matrix appeared relatively homogeneous and contained numerous thin gray bands, primarily in the lower part of the fill (Homburg 1988:95). There are, however, two important similarities between the mound profiles. First, both mounds are underlain by a buried soil, which appears to have been borrowed from to construct the mounds. The E horizon of this buried soil is present below both mounds, but the A horizon is only present below Mound A. Second, analysis of the soil chemistry and stratigraphy of both mounds indicates that they were probably built in single construction stages.

The most common profile in the test pits and the backhoe trench consisted of three basic strata: 1) an A and A/E horizon (ca. .35 m [1.2 ft] thick) of dark brown silt loam; 2) an E/A and E horizon of yellowish brown silt loam (ca. .3 m [1 ft] thick); and 3) a B horizon (ca. .55 m [1.8 ft] thick) of dark yellowish brown silt loam, superimposed with argillic (Bt) and fragic (Bx) horizons.

All five test pits contained prehistoric and historic artifacts and virtually all of them were found in the A horizon. Only one artifact was found in the shovel test pits and only one artifact was found in the auger holes. None of the excavations revealed cultural features. The artifacts included 21 lithics (i.e., debitage, some culturally modified red ochre, and a core/pebble tool), 28 sherds (i.e., 27 Baytown Plain, *variety unspecified* and one Coles Creek Incised, *variety Coles Creek*), and 730 historic artifacts dating to the late nineteenth century and twentieth century (i.e., ceramics, glass, metal, wood, animal bone, recently deposited shell). The prehistoric artifacts probably date to a minor Coles Creek occupation (A.D. 700-1100) of the site area.

**Radiometric Dating:**

The most significant result of the various investigations of 16EBR6 has been the radiometric dating of soil humates from Mound A. In 1982 LSU archaeologists and soil scientists submitted bulk humate samples from three Mound A core samples. The

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samples were taken from the lower portion of the Mound A profile and the underlying buried A horizon. The three samples indicate that Mound A dates to around 5000 B.P. (Homburg 1993:187). A conservative calibrated estimate of the age of Mound A is roughly between 5250 B.P. and 4800 B.P. (Homburg 1993:191), which dates the construction of the mound to the Archaic or Meso-Indian period. Archaeologists believe that Mound B probably also dates to this general period.

However, the dates from Mound A are not without controversy. Jones (1993:173) argues that they are very problematic since the soil samples which were assayed combined humates from two distinct stratigraphic contexts, i.e., the base of the mound and the underlying buried A horizon. Consequently, Jones (1993:173) argues that the samples are "dating two very different types of soil with two distinct origins in a single sample." In a response to Jones' article, Homburg (1993:185) argues that the Mound A dates are reliable because "the mound was built from local sediment, essentially in one construction stage, it is reasonable to conclude that the age of the soil humates in the lower mound fill is essentially the same as the underlying A horizon" (Homburg 1993:185). In general, other archaeologists who have examined these data agree that in the absence of evidence to the contrary, the best estimated age for the LSU campus mounds is about 5000 B.P. (e.g., Saunders 1994:123).



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16EBR6 is a very important prehistoric site since the radiometric dates from Mound A indicate that the site dates to about 5000 years B.P., which is the Middle Archaic period in Louisiana (Saunders and Allen 1997). To date, Middle Archaic mounds have only been identified in Louisiana and Florida. These mound complexes are older than any known in North America, MesoAmerica, and South America. These sites have radically changed archaeologists understanding of North American prehistory since planned large-scale earthworks were previously considered to be beyond the leadership and organizational skills of the seasonally mobile hunter-gatherers of the Archaic period (Saunders et al. 1997). 16EBR6 is one of eight Middle Archaic mound complexes that have been identified in Louisiana (Figure 3). Only six of them are extant today.

Since only very limited investigations have occurred in and around the LSU Campus mounds, it is necessary to infer their contents from the archaeological excavations of other Archaic period mounds in Louisiana. The most thoroughly investigated Archaic mound complex is Watson Brake (16OU175) in northeast Louisiana (Saunders and Allen 1997; Saunders et al. 1997). Artifacts recovered from this site include lithics (i.e., blades, projectile points, debitage), fired earthen objects (i.e., mostly block forms, also spherical objects), fire cracked rock, faunal bone, and charred seeds. The seeds (e.g., goosefoot) include weedy annuals that later became the first domesticates in North America. Fired places or hearths were also found. Excavations from other archaic period mounds have produced similar assemblages, but other sites have contained tubular and animal shaped beads, and one site (16EBR17, the Monte Sano site) contained a rectangular structure at its base and the possible remains of a human cremation. Since the LSU campus mounds are extremely well preserved, they should contain a similar array of artifacts that would contribute enormously to our understanding of Archaic lifeways. Therefore, the LSU Campus Mounds are of national significance and can contribute to our overall understanding of Archaic culture in Louisiana and North America.

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Development, Division of Archaeology, Baton Rouge.
- 

## BOUNDARY DESCRIPTION:

The nominated property is located at the corner of Dalrymple Drive and Fieldhouse Drive on the campus of Louisiana State University in Baton Rouge, East Baton Rouge Parish, Louisiana. The site boundaries are marked by the sidewalks which LSU has built around the mounds and the adjacent grassy area (Figure 1). The sidewalks extend north to south approximately 109 m (360 ft) along the eastern and western edges of the site area and approximately 42.4 m (140 ft) east to west along the north and south edges of the site.

## BOUNDARY JUSTIFICATION:

The extent of the site is based on the location of the two mounds and the sidewalks that LSU has built around the mounds and the adjacent grassy area.

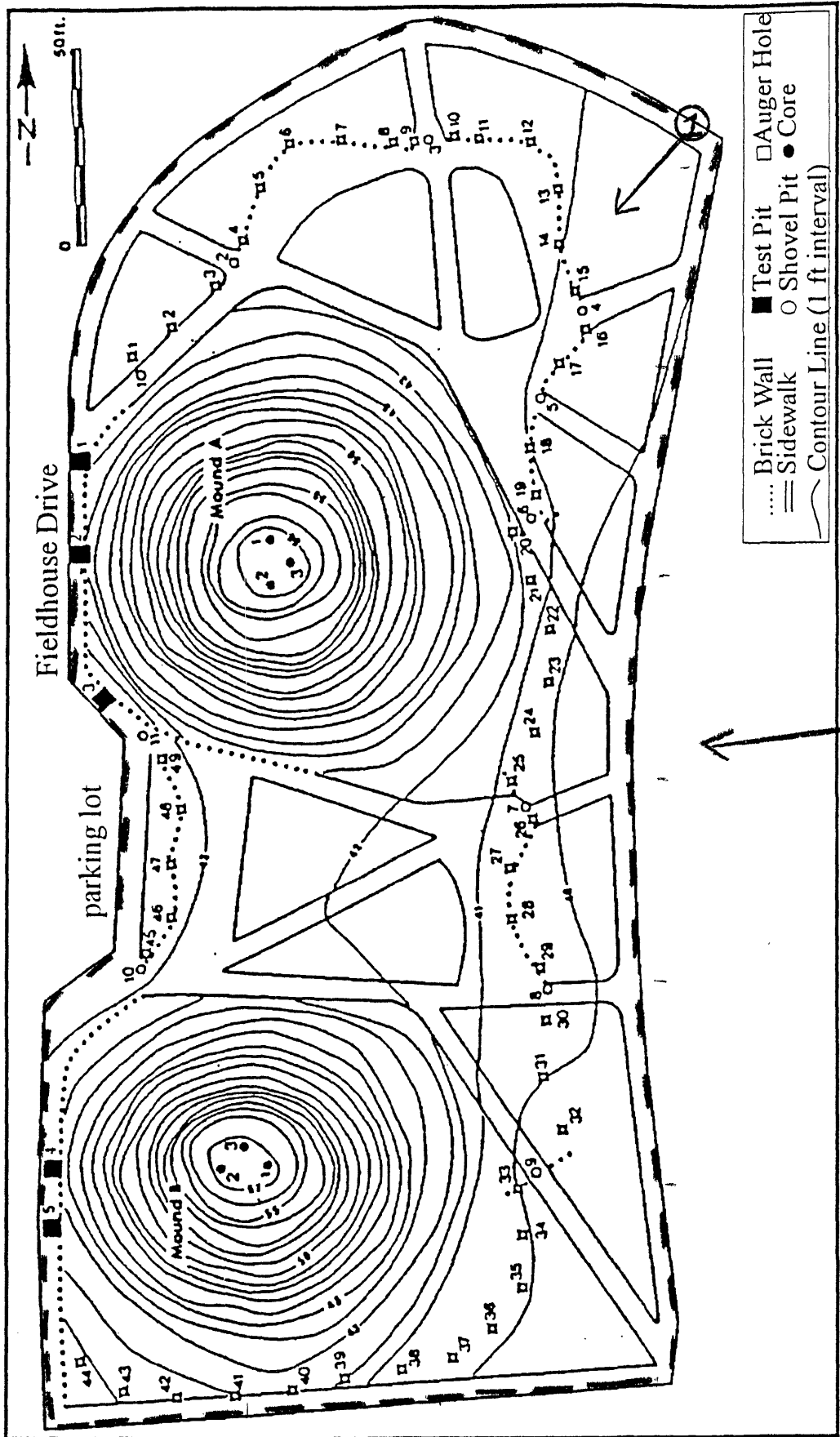
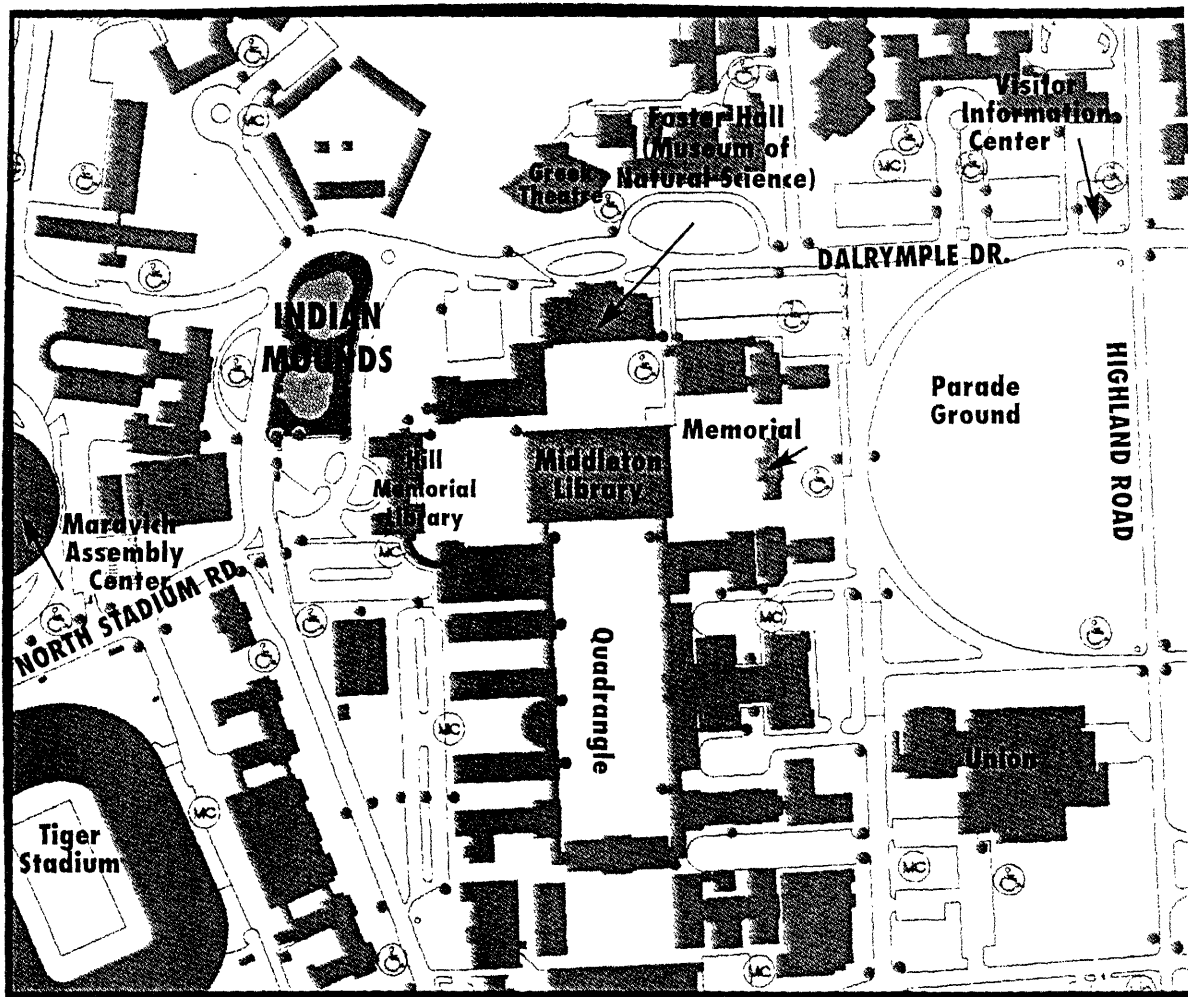
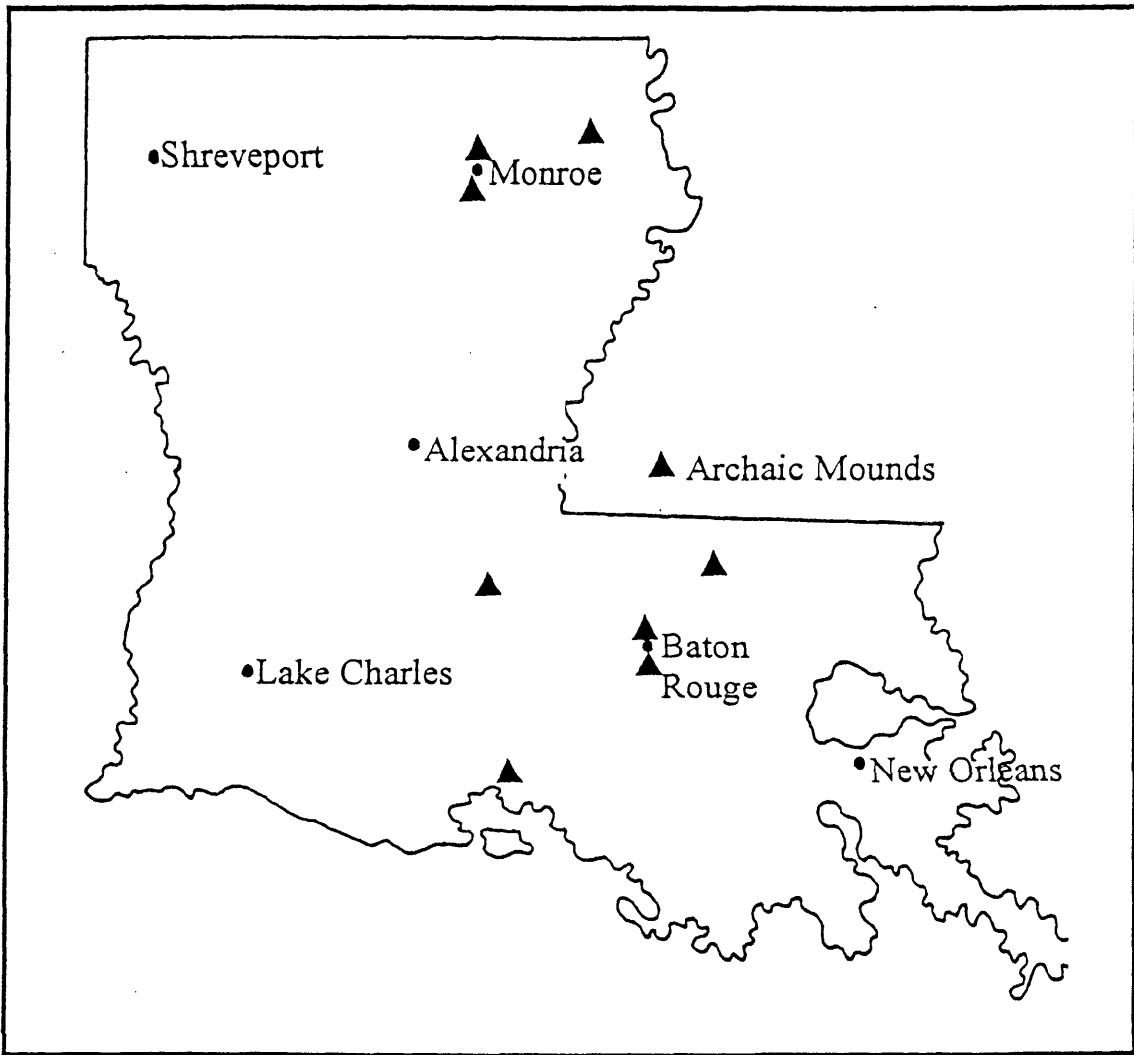


Figure 1. LSU Campus Mounds, East Baton Rouge Parish, Louisiana.

Figure 2  
LSU CAMPUS MOUNDS  
EAST BATON ROUGE PARISH, LOUISIANA  
Map showing location of mounds within campus





LSU CAMPUS MOUNDS  
EAST BATON ROUGE PARISH, LOUISIANA

Figure 3  
Map of Louisiana showing general location of major cities and Archaic Mounds.