Introduction

This report addresses a request from the Baton Rouge Area Chamber (BRAC) to conduct a desktop review of cultural resources and cultural resource possibilities on the 54.98 acre (22.25 hectare) Iberville Site Base tract in Iberville Parish, Louisiana (Figure 1). To perform this work, several tasks were carried out. First, the geomorphology of the Area of Potential Effects (APE) was described. Second, files of the Louisiana Division of Archaeology (LDOA) were examined to determine if the area had received previous archaeological attention. Third, the LDOA’s cultural resources map was consulted to determine if there were recorded sites in the project area. Fourth, historic topographic maps from the Louisiana State University Cartographic Information Center (LSUCIC) were researched to see if historic structures appeared on them, as well as to see if physiographic changes had taken place over the past 75-odd years. When these tasks were completed, recommendations were made regarding the advisability of cultural resources fieldwork.

Figure 1. Area of Potential Effects (APE) (Blue).
Environment/geomorphology

The most influential factors in determining the natural setting of the project area are the fluvial geomorphological processes associated with the lower Mississippi River. The meandering nature of the river, its associated tributaries and distributaries, the building of natural levees, and crevasses in the natural levee, affected the extent, time, and nature of prehistoric and historic occupations.

The Mississippi River changed abruptly, in geological terms, from a river of braided channels to a meandering stream approximately 12,000 years ago. This change is generally though to have been caused by a rise in sea level dating from the end of the last Ice Age (Gagliano 1984, Figure 2)

![Figure 2: Major delta complexes and associated archaeological complexes in the Mississippi River deltaic plain (Adapted from Gagliano 1984:40).]

The soils in the study area are mapped as pertaining to the Commerce and Sharkey associations. The first consists of loamy soils on the highest portions of the natural levees of the Mississippi River. Sharkey soils are clays that occur on the lower elevations of natural levees of the Mississippi River (USDA 1971). Most of the soils in the APE are Sharkey soils.
In terms of natural vegetation, this region contains a mix of cypress (Taxodium distichum) and such hardwood varieties as water oak (Quercus nigra), hickory (Carya spp.), and hackberry (Celtis laevigata). In the areas of lower elevation that are affected by alluviation, species such as palmetto (Sabal minor) and water willow (Salix nigra) grow in abundance. Other flora are rich and varied and include broomsedges, briars, and poison ivy.

Animal life is likewise diverse and most of the 62 mammal species found in Louisiana may at one time have been found within the area. These include white-tail deer (Odocoileus virginianus), cottontail rabbit (Sylvilagus floridanus), swamp rabbit (Sylvilagus aquaticus), gray squirrel (Sciurus carolinensis), fox squirrel (Sciurus niger), skunk (Mephitis mephitis), black bear (Uarctos americanus), raccoon (Procyon lotor), mink (Mustela vison), beaver (Castor canadensis), opossum (Didelphus virginiana), bobcat (Lynx rufus), gray fox (Urocyon cinereoargenteus) and red fox (Vulpes fulva) (Lowery 1974). Birds include such predators as the great horned owl (Bubo virginianus), barred owl (Strix platypterus), marsh hawk (Circus cyaneus), and many others. Non-predatory types include woodcocks (Philohela minor), wood ducks (Aix sponsa), bobwhite quail (Colinus virginianus), and mourning doves (Zenaidura macroura) (Lowery 1955).
Reptile life is particularly diverse, owing to the heterogeneity of habitats in the area. Included are alligators (*Alligator mississippiensis*), several species of snakes, including the cotton mouth (*Agkistrodon contortrix*), and varied species of lizards and turtles. Amphibians include species of salamanders, frogs, and toads (Dundee and Rossman 1989).

Fish life is very prolific in this part of Louisiana and no doubt was likewise prehistorically. Prominent fish species are gar (*Lepisosteus* spp), largemouth bass (*Micropterus salmoides*), and bluegill (*Lepmis macrrochirus*), among many others. Brackish water clams (*Rangia cuneata*) are frequently found in archaeological deposits near coastal Louisiana, although there are several archaeological sites in the vicinity of the project area that contain these shells indicating a more brackish water environment than exists currently.

From the above, it seems likely that any cultural deposits in the APE date no earlier than the period of the Lafourche delta (i.e., ca. 1,500 B.P.). In historic times, the APE was an area of some natural levee (Commerce soils) and backswamp (Sharkey soils), well away from both the Mississippi River and Bayou Grosse Tete.

**Previous archaeological projects in the Area of Potential Effects (APE)**

A number of previous archaeological projects have taken place in/adjacent to this APE. Table 1 presents these projects, their acreage (when known), results, and authors.

<table>
<thead>
<tr>
<th>Report No.</th>
<th>Type</th>
<th>Org.</th>
<th>Findings</th>
<th>In/Adjacent to APE?</th>
<th>Acres</th>
<th>Citation</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-0089</td>
<td>Storage/Pipeline</td>
<td>CEI</td>
<td>Neg.</td>
<td>No</td>
<td>Unk</td>
<td>Brooks &amp; Weinstein 1977</td>
</tr>
<tr>
<td>22-0752</td>
<td>Sewage</td>
<td>/</td>
<td>Neg.</td>
<td>Yes</td>
<td>1,000+</td>
<td>McIntire 1980</td>
</tr>
<tr>
<td>22-2140</td>
<td>Residential</td>
<td>SURA</td>
<td>No el. Sites</td>
<td>No</td>
<td>400</td>
<td>Wells et al. 1998</td>
</tr>
<tr>
<td>22-2245</td>
<td>Industrial</td>
<td>CEI</td>
<td>No el. sites</td>
<td>Yes</td>
<td>275</td>
<td>Wells 1999</td>
</tr>
<tr>
<td>22-2261</td>
<td>Channel Improv.</td>
<td>RCG</td>
<td>Land use study</td>
<td>No</td>
<td>N/A</td>
<td>Draughon et al. 1999</td>
</tr>
<tr>
<td>22-2456</td>
<td>Pipeline</td>
<td>ESI</td>
<td>No el. sites</td>
<td>Yes</td>
<td>430</td>
<td>Smith et al. 2001</td>
</tr>
<tr>
<td>22-2930</td>
<td>Pipeline</td>
<td>URS</td>
<td>Neg.</td>
<td>Yes</td>
<td>&gt;10</td>
<td>Cassedy et al. 2007</td>
</tr>
<tr>
<td>22-2977</td>
<td>Pipeline</td>
<td>CEI</td>
<td>5 sites</td>
<td>Yes</td>
<td>&gt;20</td>
<td>Hunter 2007a</td>
</tr>
<tr>
<td>22-2977-1</td>
<td>Pipeline</td>
<td>CEI</td>
<td>Neg.</td>
<td>Yes</td>
<td>&gt;20</td>
<td>Hunter 2007b</td>
</tr>
<tr>
<td>22-3036</td>
<td>Pipeline</td>
<td>SWCA</td>
<td>Neg.</td>
<td>Yes</td>
<td>450</td>
<td>Crow et al. 2009</td>
</tr>
<tr>
<td>22-3453</td>
<td>Pipeline</td>
<td>SWCA</td>
<td>Neg.</td>
<td>Yes</td>
<td>40</td>
<td>Peyton and Mehok 2010</td>
</tr>
<tr>
<td>22-3229-2</td>
<td>Pipeline</td>
<td>URS</td>
<td>Neg.</td>
<td>No</td>
<td>3.35</td>
<td>Handly and Dafoe 2009</td>
</tr>
<tr>
<td>22-3559</td>
<td>Pipeline</td>
<td>URS</td>
<td>No el. sites</td>
<td>No</td>
<td>4,900*</td>
<td>King et al. 2011</td>
</tr>
<tr>
<td>22-3760</td>
<td>Pipeline</td>
<td>URS</td>
<td>No el. sites</td>
<td>Yes</td>
<td>2,744*</td>
<td>Handly et al. 2011</td>
</tr>
</tbody>
</table>

*Only a small portion of APE in Iberville Parish.

Figure 4 provides a visual of the previously surveyed areas closest to the APE and the designations of the particular projects.
The above indicates there have been eight projects adjacent to or near the current APE (McIntire 1980; Wells 1999; Cassedy et al. 2007; Hunter 2007a,b; Crow et al. 2009; Peyton and Mehok 2010; and Handly et al. 2011). Of these, only one (Hunter 2007a) recorded sites that were of possible NRHP eligibility. None of these sites were within the current APE. Wells (1999) recorded one historic site (16IV47) on the northern periphery of the APE but judged it ineligible for the NRHP. Thus, in terms of previous experience, little of archaeological value has been found in these environs. In their investigation of a 400-acre (162 hectare) tract to be used for The Island community, between Bayous Plaquemine and Jacob, SURA considered the possibility of Chitimacha settlements in the general area but found no evidence for them (Wells 1998); the main Chitimacha Village (16IV158) was recorded at the confluence of Bayous Plaquemine and Grosse Tete (Kniffen 1938).

As for the quality of the coverage in the projects listed, all but one seem to have met current standards for level-of-effort in terms of the area assigned to them on the LDOA cultural resources map. The exception is that of McIntire, who performed a survey for a sewage planning area in and around Plaquemine (McIntire 1980). While the LDOA map shows a large block for the area he surveyed (22-0752), his report states:

Figure 4. Visual, showing areas previously surveyed in relation to APE (Source: LDOA).
The field inspection covered both known sites and location of new sites that might be located along the proposed sewer system corridors (McIntire 1980:9).

These corridors appear to be primarily along Bayou Plaquemine (McIntire 1980:3).

No judgment is made concerning McIntire’s level-of-effort in the corridors he investigated. He was a careful surveyor and it is probable that his work met the standards applicable at that time. To imply that the entire area in purple on the LDIOA map was covered, however, would be misleading: McIntire performed archival research for this bloc but his fieldwork took in only the corridors mentioned.

Previously recorded archaeological sites in the APE

No archaeological sites have been recorded for the APE. The locations of nearby sites are given in Figure 5 and a list of sites is presented in Table 2.

Figure 5. LDOA map showing locations of recorded archaeological sites in APE.
Table 2. Recorded archaeological sites in general vicinity of APE (Source: LDOA).

<table>
<thead>
<tr>
<th>Site #</th>
<th>Site Name</th>
<th>Hist/Pre.</th>
<th>Culture</th>
<th>Function</th>
<th>Lat. extent</th>
<th>Landform</th>
<th>NR status</th>
<th>In/Adj. To APE</th>
<th>Org.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16WBR1</td>
<td>Medora Site</td>
<td>Prehist.</td>
<td>Plaq.</td>
<td>Cer. Center</td>
<td>Undetermined</td>
<td>Batture</td>
<td>Destroyed</td>
<td>No</td>
<td>LSU</td>
</tr>
<tr>
<td>16WBR44</td>
<td>(None)</td>
<td>Hist.</td>
<td>AngloAm</td>
<td>Eng. Str.</td>
<td>1.9 ac</td>
<td>Batture?</td>
<td>NE</td>
<td>No</td>
<td>CEI</td>
</tr>
<tr>
<td>16WBR48</td>
<td>(None)</td>
<td>Hist.</td>
<td>Unk.</td>
<td>Scatter</td>
<td>.39 ac</td>
<td>Swamp</td>
<td>NE</td>
<td>No</td>
<td>URS</td>
</tr>
<tr>
<td>16IV29</td>
<td>PoFolks Site</td>
<td>Hist.</td>
<td>Euro/AfAm</td>
<td>Residence</td>
<td>.74 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>SURA</td>
</tr>
<tr>
<td>16IV30</td>
<td>Five-in-One Site</td>
<td>Hist.</td>
<td>EuroAm</td>
<td>Residence</td>
<td>1.5 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>SURA</td>
</tr>
<tr>
<td>16IV31</td>
<td>The Brick Site</td>
<td>Hist.</td>
<td>EuroAm</td>
<td>Trash pit</td>
<td>1.5 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>SURA</td>
</tr>
<tr>
<td>16IV32</td>
<td>Manager's House Site</td>
<td>Hist.</td>
<td>AngloAm</td>
<td>Residence</td>
<td>2.47 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>SURA</td>
</tr>
<tr>
<td>16IV33</td>
<td>Little House on the Bayou</td>
<td>Hist.</td>
<td>AngloAm</td>
<td>Residence</td>
<td>.43 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>SURA</td>
</tr>
<tr>
<td>16IV34</td>
<td>Cut Bone Site</td>
<td>Hist.</td>
<td>AngloAm</td>
<td>Residence</td>
<td>.15 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>SURA</td>
</tr>
<tr>
<td>16IV35</td>
<td>Turnerville Dump</td>
<td>Hist.</td>
<td>AngloAm</td>
<td>Town Dump</td>
<td>1.24 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>SURA</td>
</tr>
<tr>
<td>16IV36</td>
<td>(None)</td>
<td>Hist.</td>
<td>Unknown</td>
<td>Residence</td>
<td>3.86 ac</td>
<td>Nat Levee</td>
<td>NE</td>
<td>No</td>
<td>CEI</td>
</tr>
<tr>
<td>16IV37</td>
<td>Enterprise Plantation</td>
<td>Hist.</td>
<td>EuroAm</td>
<td>Plantation</td>
<td>138.37 ac</td>
<td>Floodplain</td>
<td>NE</td>
<td>No</td>
<td>PLM, CEI</td>
</tr>
<tr>
<td>16IV47</td>
<td>(None)</td>
<td>Hist.</td>
<td>Unk.</td>
<td>Residence</td>
<td>6.9 ac</td>
<td>Crevasse</td>
<td>NE</td>
<td>Yes</td>
<td>CEI, URS</td>
</tr>
<tr>
<td>16IV105</td>
<td>(None)</td>
<td>Hist.</td>
<td>Unk.</td>
<td>Residence</td>
<td>1.78 ac</td>
<td>Nat Levee</td>
<td>Unknown</td>
<td>No</td>
<td>LDOA</td>
</tr>
<tr>
<td>16IV106</td>
<td>St. Louis Plantation</td>
<td>Hist.</td>
<td>EuroAm</td>
<td>Plantation</td>
<td>2.47 ac</td>
<td>Nat Levee</td>
<td>Unknown</td>
<td>No</td>
<td>LSU</td>
</tr>
<tr>
<td>16IV129</td>
<td>Masonic Hall Site</td>
<td>Hist.</td>
<td>AngloAm</td>
<td>Meeting House</td>
<td>Unk.</td>
<td>Nat Levee</td>
<td>Unknown</td>
<td>No</td>
<td>CEI</td>
</tr>
<tr>
<td>16IV130</td>
<td>Plaquemine Lock</td>
<td>Hist.</td>
<td>AngloAm</td>
<td>Eng. Str.</td>
<td>N/A</td>
<td>Nat Levee</td>
<td>Listed</td>
<td>No</td>
<td>CEI</td>
</tr>
<tr>
<td>16IV180</td>
<td>Irish Town</td>
<td>Hist.</td>
<td>IrishAm</td>
<td>Neighborhood</td>
<td>.22 ac</td>
<td>Nat Levee</td>
<td>Unknown</td>
<td>No</td>
<td>LSU</td>
</tr>
</tbody>
</table>
The tally of sites in Table 2 brings out several points. First, of the 18 sites in the table, only one, the Medora Site (16WBR1), is prehistoric. The remainder are historic in nature. In terms of NRHP eligibility, only one site, the Plaquemine Locks (16IV130) is listed; one site, the Medora Site (16WBR1), would have certainly been eligible but is now largely destroyed; and four sites (16IV105, 16IV106, 16IV129, and 16IV180) are of unknown eligibility status. Thus, considering the 18 sites as a whole, only 33 percent do qualify, could qualify, or could have qualified, for NRHP listing. Eliminating the four sites of unknown eligibility, some of which probably would not be eligible after further examination, the number of significant sites drops by two-thirds, to 11 percent. Finally, all but one of the 18 sites are located within ½ mile (805 m) of a major water course (Mississippi River, Bayou Bourbeaux, Bayou Jacob, Bayou Plaquemine). The sole exception, 16WBR48, is an historic scatter that is ineligible for the NRHP.

**Historic Topographic Maps**

Historic topographic maps from the Louisiana State University Cartographic Information Center (LSUCIC) were examined. These includes the Addis, La. 1953, 1971, 1980, and 1992 7.5-minute sheets; the Baton Rouge, La. 1939 15-minute sheet; the Grosse Tete, La. 1932, 1934, 1935, and 1940 15-minute sheets; and the Plaquemine, La. 1953, 1971, 1980, and 1992 7.5-minute sheets. The most relevant maps from the foregoing will be presented below.

The earliest maps available are the Baton Rouge, La. 1939 and Grosse Tete, La. 1932 15-minute maps, which are shown in a composite in Figure 6. They show no structures or features within the APE. The same is true of the Addis, La. 1953 and Plaquemine, La. 1953, 1971, 1980, and 1992 7.5-minute sheets (Figures 7-10).
Figure 6. Composite of Baton Rouge, La. 1939 and Grosse Tete, La. 1932 15-minute Topographic Quadrangles, showing approximate APE (Blue boundary lines).
Figure 7. Composite of Addis, La. 1953 and Plaquemine, La. 1953 7.5-minute Topographic Quadrangles, showing approximate APE (Blue boundary lines).
Figure 8. Composite of Addis, La. 1971 and Plaquemine, La. 1971 7.5-minute Topographic Quadrangles, showing APE (Red boundary lines).
Figure 9. Composite of Addis, La. 1980 and Plaquemine, La. 1980 7.5-minute Topographic Quadrangles, showing APE (Red boundary lines).
Figure 10. Composite of Addis, La. 1992 and Plaquemine, La. 1992 7.5-minute Topographic Quadrangles, showing approximate APE (Blue boundary lines).

Conclusion and Recommendations

The APE is a reclaimed backswamp, well-removed from major watercourses. As such, it has a low potential for historic or prehistoric deposits.

No previous archaeological projects have covered the APE, though two projects (Crow et al. 2009 and Peyton and Mehok 2010) have covered its adjacent west boundary. All projects listed have been of a level-of-effort sufficient to satisfy contemporary SHPO requirements but McIntire’s 1980 study did not cover the entire area shown on the LDOA cultural resources map.

There are no known archaeological sites within the APE.

Topographic maps show no structures or features in the APE.
In accord with the foregoing, the following conclusion is in order: The APE was unsuitable for historic human habitation. Archival research does not show any structures or archaeological sites in that location. Even in the general area of the APE, most recorded sites are relatively modern (i.e., 20th-century) and have been deemed ineligible for the NRHP. While the APE has not been previously surveyed, there seems to be no reason to believe a survey would show the presence of NRHP-eligible structures or deposits.

It is recommended that this tract be exempted from further archaeological attention.
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1980  Addis, La. 7.5-minute topographic quadrangle. U.S. Geological Survey
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