

**Appendix E**  
**SCS Soil Types and Landform**  
**Associations**

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TABLE E1  
CORRELATION OF GEOMORPHIC UNITS TO SOIL SERIES

| GEOMORPHIC UNIT | SOIL # & SERIES   | SOIL CLASS  |
|-----------------|---|---|
| AC              | 2 ARMISTEAD CLAY<br>14 GALION SILT LOAM<br>15 GALION SILTY CLAY LOAM<br>23 MORELAND SILTY CLAY LOAM<br>24 MORELAND CLAY<br>25 FORBING SILT LOAM<br>27 NORWOOD SILT LOAM<br>29 NORWOOD SILTY CLAY LOAM<br>33 SEVERN V. FINE SANDY LOAM<br>34 SEVERN GENTLY UNDULATING<br>75 EVADALE CART COMLEX<br>192 SOCAGEE SILTY CLAY LOAM | AQUIC ARGIUDDLS<br>TYPIC HAPLUDALFS<br>" "<br>VERTIC HAPLUDOLLS<br>" "<br>VERTIC PALEUALFS<br>TYPIC UDIFLUVEVTS<br>" "<br>TYPIC UDIFLUVENTS<br>" "<br>FRAGLOSSUDALFS<br>TYPIC UDIFLUVENTS |
| ACO             | 1 BUXIN CLAY<br>2 ARMISTEAD CLAY<br>14 GALION SILT LOAM<br>15 GALION SILTY CLAY LOAM<br>20 MORELAND CLAY<br>22 MORELAND SILT LOAM<br>27 NORWOOD SILT LOAM<br>29 NORWOOD SILTY CLAY LOAM<br>35 SEVERN OCC. FLOODED<br>192 SOCAGEE SILTY CLAY LOAM<br>207 MOOREVILLE-MANTACHIE  | VERTIC HAPLUDOLLS<br>AQUIC ARGIUDDLS<br>TYPIC HAPLUDALFS<br>" "<br>VERTIC HAPLUDOLLS<br>" "<br>TYPIC UDIFLUVEVTS<br>" "<br>TYPIC UDIFLUVENTS<br>" "<br>" "<br>AERIC FLUVAQUENTS           |
| BS              | 2 ARMISTEAD CLAY<br>20 MORELAND CLAY<br>22 MORELAND SILT LOAM<br>27 NORWOOD SILT LOAM<br>29 NORWOOD SILTY CLAY LOAM   | AQUIC ARGIUDDLS<br>VERTIC HAPLUDOLLS<br>" "<br>TYPIC UDIFLUVEVTS<br>" "   |
| HC              | 0 WATER   |   |
| LD              | 17 CYPRESS CLAY LOAM<br>107 SARDIS-MATHISTON<br>165 ESTES CLAY<br>207 MOOREVILLE-MANTACHIE  | AQUIC FLUVAQUENTS<br>DYSTROCHREPTS<br>AERIC HAPAQUEPTS<br>AERIC FLUVAQUENTS   |
| L/BS            | 1 BUXIN CLAY<br>2 ARMISTEAD CLAY<br>12 CASPIANA SILT LOAM<br>20 MORELAND CLAY<br>23 MORELAND SILTY CLAY LOAM<br>24 MORELAND CLAY<br>27 NORWOOD SILT LOAM<br>29 NORWOOD SILTY CLAY LOAM<br>34 SEVERN V. FINE SANDY LOAM  | VERTIC HAPLUDOLLS<br>AQUIC ARGIUDDLS<br>TYPIC ARGIUDDLS<br>VERTIC HAPLUDOLLS<br>" "<br>" "<br>TYPIC UDIFLUVEVTS<br>" "<br>" "   |

|      |  |  |
|------|--|--|
| L/PB | 1 BUXIN CLAY<br>2 ARMISTEAD CLAY<br>20 MORELAND CLAY<br>24 MORELAND CLAY<br>27 NORWOOD SILT LOAM   | VERTIC HAPLUDOLLS<br>AQUIC ARGIUDDLSS<br>VERTIC HAPLUDOLLS<br>" "<br>TYPIC UDIFLUVEVTS   |
| PB   | 1 BUXIN CLAY<br>2 ARMISTEAD CLAY<br>3BEAUREGARD<br>11 CASPIANA SILTY <b>CLAY</b> LOAM<br>12 CASPIANA SILT LOAM<br>15 <b>GALLION</b> SILTY CLAY LOAM<br>16 GORE SILT LOAM<br>17 CYPRESS <b>CLAY</b> LOAM<br>20 MORELAND CLAY<br>23 <b>MORELAND</b> SILTY CLAY LOAM<br>24 <b>MORELAND</b> CLAY<br>26 DARDEN LOAMY FINE SAND<br>27 <b>NORWOOD</b> SILT LOAM<br>29 <b>NORWOOD</b> SILTY CLAY LOAM<br>33 SEVERN V. FINE SANDY LOAM<br>34 SEVERN GENTLY UNDULATING<br>35 SEVERN OCC. FLOODED<br>36SEVERNFREQFLOODED<br>75 <b>EVADALE CART COMLEX</b><br>111 LATCH-MOLLVILLE<br>115 GUYTON-CART<br>165 ESTES CLAY<br>183 BIENVILLE<br>207 <b>MOOREVILLE-MANTACHIE</b> | VERTIC HAPLUDOLLS<br>AQUIC ARGIUDDLSS<br>PALEUDULTS<br>TYPIC ARGIUDDLSS<br>" "<br>TYPIC <b>HAPLUDALFS</b><br>GLOSSAQUALFS<br>?<br>VERTIC HAPLUDALFS<br>" n<br>" n<br><b>QUARTZIPSAMMENTS</b><br>TYPIC UDIFLUVENTS<br>n "<br>TYPIC UDIFLWENTS<br>n "<br>" "<br>" n<br><b>PALEUDALFS</b><br><b>PALEUDALFS</b><br>PALEUALFS<br>GLOSSAQUALFS<br>PALEUDALFS<br>PALEUDALFS |
| PB2  | 111 LATCH-MOLLVILLE<br>115 GUYTON-CART<br>120 <b>IUKA</b><br>150 BERNALDO<br>183 BIENVILLE<br>203 METCALF-CART   | PALEUALFS<br>GLOSSAQUALFS<br>AQUIC UDIFLWENTS<br>PALEUDALFS<br>PALEUDALFS<br>GLOSSAQUALFS  |
| QAL  | 1 BUXIN CLAY<br>3 BEAUREGARD SILT LOAM<br>4BERNALDO<br>16 GORE SILT <b>LOAM</b><br>18 <b>GUYTON</b> FREQ FLOODED<br>25 <b>FORBING</b> SILTY <b>LOAM</b><br>39 WRIGHTSVILLE-MESSR<br>107 SARDIS-MATHISTON<br>115 GUYTON-CART<br>120 IUKA FINE SANDY LOAM<br>150 BERNALDO FINE SANDY LOAM<br>192 SOCAGEE SILTY <b>CLAY</b> LOAM  | VERTIC HAPLUDOLLS<br>PALEUDULTS<br>PALEUDALFS<br>PALEUDALFS<br>GLOSSAQUALFS<br>PALEUDALFS<br>GLOSSAQUALFS<br>DYSTROCHREPTS<br>PALEUDALFS<br>AQUIC UDIFLWENTS<br>PALEUDALFS<br>TYPIC UDIFLWIENT   |

|     |   |  |
|-----|---|--|
| QTD | 1 BUXIN CLAY<br>9 BETIS LOAMY FINE SAND<br>17 CYPRESS CLAY LOAM<br>19 BRILEY LOAMY FINE SAND<br>21 FORBING SILT LOAM  | VERTIC HAPLUDOLLS<br>PALEUDULTS<br>?<br>PALEUDULTS<br>PALEUDALFS   |
| QTP | 3 BEAUREGARD SILT LOAM<br>6 WOODTELL FINE SANDY LOAM<br>7 WOODTELL 3-8% SLOPES<br>13 XEITVILLE FINE SANDY LOAM<br>21 FORBING SILT LOAM<br>24 MORELANDCLAY<br>25 FORBING SILT LOAM<br>32 SMITHDALE FINE SANDY LOAM<br>37 METCALF-MESSER<br>38 GUYTON-MESSER<br>39 WRIGHTSVILLE-MESSR<br>40 BOWIE FINE SANDY LOAM | PALEUDULTS<br>VERTIC HAPUDALFS<br>" "<br>PALEUDALFS<br>" "<br>VERTIC HAPUDOLLS<br>PALEUDALFS<br>PALEUDULTS<br>GLOSSUDALFS<br>GLOSSUDALFS<br>GLOSSUDALFS<br>PALEUDULTS      |
| QTU | 75 EVADALE CART COMLEX<br>107 SARDIS-MATHISTON<br>109 THAGE-CART<br>111 LATCH-MOLLVILLE<br>113 BONN-CART<br>150 BERNALDO FINESANDYLOAM<br>194 METH FINE SANDY LOAM<br>195 EASTWOOD V. FINE SANDY LOAM<br>196 LATEX FINE SANDY LOAM<br>198 SCOTSVILLE<br>203 METCALF-CART  | FRAGLOSSUDALFS<br>DYSTROCEPTS<br>PALEUDALFS<br>PALEUDALFS<br>PALEUDALFS<br>PALEUDALFS<br>ULTIC HAPLUDALFS<br>VERTIC HAPLUDALFS<br>PALEUDALFS<br>PALEUDALFS<br>GLOSSAQUALFS |
| ECS | NO DATA   |  |
| ECW | 224 ELROSE FINE SANDY LOAM  | TYPIC PALEUDALFS   |
| ECQ | 40 BOWIE<br>146 XIRVIN  | PALEUDULTS<br>TYPIC BAPLUDALTS   |
| ECR | 118 PICXTON LOAMY FINE SAND<br>130 WOLFPEN LOAMY FINE SAND<br>146 XIRVIN 2-8 SLOPES<br>172 WOLFPEN 8-15 SLOPES<br>194 METH FINE SANDY LOAM  | PALEUDALFS<br>ARENIC PALEUALFS<br>TYPIC HAPLUDULTS<br>ARENIC PALEUDALFS<br>ULTIC HAPLUALFS   |

|     |   |   |
|-----|---|---|
| EWU | 4 BERNALDO<br>6 WOODTELL FINE SANDY LOAM<br>7 WOODTELL 3-8 % SLOPE<br>8 WOODTELL 8-20 % SLOPE<br>9 BETIS LOAMY FINE SAND<br>10 BETIS 5-12 % SLOPES<br>13 KEITHVILLE<br>19 BRILEY LOAMY FINE SAND<br>40 BOWIE FINE SANDY LOAM<br>42 METH FINE SANDY LOAM<br>130 WOLFPEN LOAMY FINE SAND<br>150 BERNALDO FINE SANDY LOAM<br>172 WOLFPEN 8-15 SLOPE<br>194 METH FINE SANDY LOAM<br>195 EASTWOOD V.FINE SANDY LOAM<br>196 LATEX FINE SANDY LOAM<br>198 SCOTSVILLEFINE SANDY LOAM<br>201 ERNO-CART<br>203 METCALF-CART | PALEUDALFS<br>VERTIC HAPLUDALFS<br>" "<br>" "<br>PALEUDULTS<br>" "<br>PALEUDALFS<br>PALEUDULTS<br>PALEUDULTS<br>ULTIC HAPLUDALFS<br>ARENIC PALEUDALFS<br>GLOSSIC PALUDALFS<br>ARENIC PALEUDALFS<br>ULTIC HAPLUDALFS<br>VERTIC HAPLUDALFS<br>?<br>PALEUDALFS<br>GLOSSAQUALFS<br>GLOSSAQUALFS |
| PMU | 6 WOODTELL FINE SANDY LOAM<br>7 WOODTELL 3-8 % SLOPE<br>8 WOODTELL 8-20 % SLOPE<br>13 KEITVILLE<br>37 METCALF-MESSER  | VERTIC HAPLUALFS<br>" "<br>" "<br>PALEUDALFS<br>ULTIC HAPLUALFS   |

TABLE E2  
CORRELATION OF SOIL SERIES TO GEOMORPHIC UNITS

| SOIL SERIES                 | GEOMORPHIC UNIT          |
|-----------------------------|--------------------------|
| ARMISTEAD CLAY              | AC, BS, L/BS, PB         |
| BEAUREGARD SILT LOAM        | PB, QAL, QTP             |
| BERNALDO FINE SANDY LOAM    | QAL, QTU, EWU            |
| BETIS LOAMY FINE SAND       | QTD, QAL, EWU            |
| BIENVILLE LOAMY FINE SAND   | PB, QAL                  |
| BONN-CART                   | QTU                      |
| BOWIE FINE SANDY LOAM       | QTU, EWU                 |
| BRILEY LOAMY FINE SAND      | EWU                      |
| BUXIN CLAY                  | ACO, L/BS, L/PB, PB, QAL |
| CASPIANA SILTY CLAY LOAM    | L/BS, PB                 |
| CYPRESS CLAY LOAM           | LD, PB,                  |
| DARDEN LOAMY FINE SAND      | PB                       |
| EASTWOOD V. FINE SANDY LOAM | QTU, EWU                 |
| ELROSE FINE SANDY LOAM      | ECW                      |
| ERNO-CART                   | EWU                      |
| ESTES CLAY                  | PB, LD                   |
| EVADALE CART COMPLEX        | PB, QTU                  |
| FORBING SILT LOAM           | AC, QAL, QTD, QTP        |
| GALION SILT LOAM            | AC, ACO, PB              |
| GORE SILT LOAM              | PB, QAL                  |
| GUYTON                      | QAL                      |
| GUYTON-CART                 | PB2                      |
| GUYTON-MESSER               | QTP                      |
| IUKA FINE SANDY LOAM        | PB2, QAL                 |
| KEITVILLE                   | QTP, EWU                 |
| KIRVIN                      | ECQ                      |
| LATCH-MOLLVILLE             | PB, PB2, QTU             |
| METCALF-CART                | PB2, QTU, EWU            |
| METCALF-MESSER              | PMU, QTP                 |

|                          |                       |
|--------------------------|-----------------------|
| METH FINE SANY LOAM      | QTU, ECR, EWU         |
| MOOREVILLE-MANTACHIE     | ACO, LD, PB           |
| MORELAND CLAY            | AC, ACO, BS, L/BS, PB |
| NORWOOD SILT LOAM        | AC, ACO, BS, L/BS, PB |
| PICKTON LOAMY FINE SAND  | ECR                   |
| SARDIS-MATHISTON         | LD, QAL, QTU          |
| SCOTSVILLE               | QTU, EWU              |
| SEVERN FINE SANDY LOAM   | AC, ACO, L/BS, PB     |
| SOCAGEE SILTY CLAY LOAM  | ACO, QAL              |
| THAGE-CART               | QTU                   |
| WOLFPEN LOAMY FINE SAND  | ECR, EWU              |
| WOODTELL FINE SANDY LOAM | QTP, EWU, PMU         |
| WRIGHTSVILLE-MESSR       | QAL, QTP              |

# Appendix F

## Catalogue of Known Archaeological Sites

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LEGEND

LANDFORM

|       |                                      |
|-------|--------------------------------------|
| ACO   | ABANDONED COURSE                     |
| BS    | BACKSWAMP                            |
| L/BS  | LACUSTRINE OVERLYING BACKSWAMP       |
| L/PB  | LACUSTRINE OVERLYING POINT BAR       |
| L/PBZ | LACUSTRINE OVERLYING OLDER POINT BAR |
| LS    | LAKE SHORE                           |
| PB    | RECENT POINT BAR                     |
| PB2   | OLDER POINT BAR                      |
| QAL   | QUATERNARY ALLWIUM UNDIFFERENTIATED  |
| QTP   | QUATERNARY TERRACE PRAIRIE           |
| QTU   | QUATERNMY TERRACE UNDIFFERENTIATED   |
| SUM   | SUMMIT                               |
| VS    | VALLEY SLOPE                         |

CULTURAL ASSOCIATIONS

|            |                                  |
|------------|----------------------------------|
| ARC        | ARCHAIC INDIAN (Before 200 BC)   |
| <b>CAD</b> | CADDO INDIAN (200 BC to 1650 AD) |
| HIS        | HISTORIC (1700's to present)     |

LOUISIANA

| <u>SITE NUMBER</u> | <u>SHEET NUMBER</u> | <u>LANDFORM</u> | <u>CULTURAL ASSOCIATION</u> | <u>REMARKS</u>                |
|--------------------|---------------------|-----------------|-----------------------------|-------------------------------|
| 16CD02             | 12                  | QTP-LS          | CAD                         | CAMP; HAMLET                  |
| 16CD03             | 12                  | QTP-LS          | ARC-CAD                     | CAMP; HAMLET                  |
| 16CD04             | 12                  | PB-LS           | CAD-HIS                     | PREH HAMLET; HIS (UNKNOWN)    |
| 16CD07             | 10                  | VS              | ARC-CAD                     | VILLAGE                       |
| 16CD08             | 8                   | QTU-LS          | ARC-CAD                     | VILLAGE                       |
| 16CD09             | 12                  | VS              | ARC                         | VILLAGE                       |
| 16CD11             | 13                  | BS              | ARC-CAD                     | VILLAGE                       |
| 16CD12             | 11                  | PB-LS           | CAD                         | HAMLET; CEREMONIAL; BURIALS   |
| 16CD13             | 11                  | PB-LS           | CAD                         | HAMLET                        |
| 16CD16             | 9                   | QAL             | CAD                         | HAMLET                        |
| 16CD17             | 9-10                | QAL             | ARC                         | PREHISTORIC (UNKNOWN)         |
| 16CD19             | 10                  | SUM             | ARC                         | HAMLET; VILLAGE               |
| 16CD23             | 12                  | QTP             | ARC-CAD                     | CAMPSITE; HAMLET              |
| 16CD24             | 9                   | VS-LS           | CAD                         | PREHISTORIC (UNKNOWN)         |
| 16CD29             | 9                   | QTP-LS          | ARC-CAD-HIS                 | HIS (UNKNOWN); PREH HAMLET    |
| 16CD31             | 10                  | L/BS            | ARC-CAD                     | CEREMONIAL CENTER; HAMLET     |
| 16CD36             | 11                  | ACO-LS          | CAD                         | HAMLET                        |
| 16CD48             | 13                  | L/BS-LS         | ARC-CAD                     | CAMP; HAMLET                  |
| 16CD57             | 8-9                 | QTP-LS          | ARC                         | CAMPSITE                      |
| 16CD100            | 12-13               | ACO             | HIS                         | HISTORIC (UNKNOWN)            |
| 16CD101            | 12                  | PB              | HIS                         | HISTORIC (UNKNOWN)            |
| 16CD102            | 12-13               | PB-LS           | CAD                         | HAMLET                        |
| 16CD103            | 11                  | PB-LS           | CAD                         | HIS (UNKNOWN) PREH HAMLET     |
| 16CD104            | 11                  | PB              | HIS                         | HISTORIC (UNKNOWN)            |
| 16CD105            | 11                  | PB-LS           | CAD-HIS                     | HISTORIC (UNKNOWN)            |
| 16CD107            | 8                   | QTU-LS          | HIS                         | PREH (UNKNOWN); HIS CEMENTARY |
| 16CD108            | 8                   | QTU             | ARC-CAD                     | CAMPSITE; HAMLET              |
| 16CD109            | 9                   | QAL-LS          | CAD                         | CAMPSITE; HIS (UNKNOWN)       |
| 16CD110            | 8                   | QTU             | ARC                         | CAMPSITE                      |
| 16CD111            | 12-13               | QTP-LS          | ARC                         | CHIPPING STATION              |
| 16CD114            | 9                   | QTP-LS          | CAD-HIS                     | PREH; HIS (UNKNOWN)           |
| 16CD115            | 10                  | VS-LS           | CAD-HIS                     | HAMLET                        |
| 16CD131            | 9                   | QTP-LS          | HIS                         | CEMENTARY                     |
| 16CD132            | 8                   | QTU-LS          | ARC-CAD                     | HAMLET; VILLAGE               |
| 16CD138            | 12-13               | QTP-LS          | ARC                         | CAMPSITE                      |
| 16CD139            | 12-13               | QTP-LS          | ARC                         | CAMPSITE                      |
| 16CD169            | 11                  | PB              | CAD                         | WATER TRANSPORT               |
| 16CD172            | 9                   | QTP-LS          | CAD                         | PREH HAMLET; VILLAGE          |
| 16CD189            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD190            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD191            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD192            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD193            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD194            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD195            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD196            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD197            | 11                  | PB-LS           | CAD                         | LIVING SITE                   |
| 16CD204            | 8                   | PB2-LS          | CAD                         | CAMPSITE                      |
| 16CD209            | 9                   | QTP-LS          | ARC-CAD-HIS                 | LIVING AREA                   |

TEXAS

| <u>SITE NUMBER</u> | <u>SHEET NUMBER</u> | <u>LANDFORM</u> | <u>CULTURAL ASSOCIATION</u> | <u>REMARKS</u>                       |
|--------------------|---------------------|-----------------|-----------------------------|--------------------------------------|
| 41HS12             | 7                   | PB2             | CAD                         | UNKNOWN                              |
| 41HS19             | 6                   | VS              | ARC                         | LIMITED USE AREA                     |
| 41HS25             | 8                   | QTU             | ARC                         | LIMITED USE AREA                     |
| 41HS26             | 6                   | QTU             | ARC                         | LIMITED USE AREA                     |
| 41HS27             | 6                   | PB2             | CAD                         | SMALL SETTLEMENT                     |
| 41HS28             | 6                   | QTU-LS          | ARC                         | LIMITED USE AREA                     |
| 41HS30             | 8                   | QTU             | HIS                         | DOMICILE                             |
| 41HS239            | 7                   | QTU             | ARC                         | LIMITED USE AREA                     |
| 41HS385            | 7                   | PB2-LS          | ARC                         | UNKNOWN                              |
| No. 36             | 7                   | QTU-LS          | CAD                         | UNKNOWN                              |
| 41MR1              | 2-3                 | VS              | ARC-CAD                     | LIMITED USE AREA; SMALL SETTLEMENT   |
| 41MR2              | 3                   | LAKE            | ARC-CAD-HIS                 | LIMITED USE AREA; SETTLEMENT         |
| 41MR3              | 1                   | QTU             | CAD                         | SMALL SETTLEMENT                     |
| 41MR4              | 1-2                 | LAKE            | ARC-CAD                     | LIMITED USE AREAS                    |
| 41MR6              | 2                   | QAL             | CAD                         | LARGE SETTLEMENT                     |
| 41MR8              | 3                   | VS              | CAD                         | LARGE SETTLEMENT                     |
| 41MR10             | 2                   | VS              | CAD-HIS                     | SETTLEMENT; DOMICILE                 |
| 41MR12             | 2                   | QTU             | ARC-CAD                     | LIMITED USE AREA; SMALL SETTLEMENT   |
| 41MR13             | 2                   | LAKE            | ARC-CAD                     | LIMITED USE AREA; SMALL SETTLEMENT   |
| 41MR16             | 3                   | VS              | ARC                         | LIMITED USE AREA                     |
| 41MR18             | 3                   | VS              | CAD                         | LIMITED USE AREA                     |
| 41MR27             | 3                   | QTU             | CAD                         | SMALL SETTLEMENT                     |
| 41MR29             | 3                   | QTU             | ARC-CAD                     | LIMITED USE AREA                     |
| 41MR30             | 3                   | QTU-LS          | CAD                         | LIMITED USE AREA                     |
| 41MR32             | 3                   | VS              | CAD                         | LIMITED USE AREA                     |
| 41MR33             | 2-3                 | VS              | CAD                         | SMALL SETTLEMENT                     |
| 41MR34             | 3                   | VS              | ARC-CAD-HIS                 | LIMITED USE AREA                     |
| 41MR39             | 5                   | QTU             | HIS                         | IRON FOUNDRY                         |
| 41MR40             | 5                   | PB2             | HIS                         | IRON FOUNDRY                         |
| 41MR41             | 2                   | QTU             | ARC                         | LIMITED USE AREA                     |
| 41MR44             | 5                   | QTU             | HIS                         | DOMICILE                             |
| 41MR46             | 5                   | PB2             | HIS                         | TOWNSITE                             |
| 41MR49             | 5                   | VS              | ARC-HIS                     | LIMITED USE AREA; DOMICILE (?)       |
| 41MR50             | 2                   | VS              | CAD                         | LIMITED USE AREA                     |
| 41MR51             | 8                   | VS-LS           | ARC-CAD                     | LIMITED USE AREAS                    |
| 41UR9              | 1                   | QAL             | ARC-CAD                     | LIMITED USE AREAS                    |
| 41UR11             | 1                   | QTU             | ARC-CAD                     | LIMITED USE AREA; SMALL MOUND CENTER |
| 41UR12             | 1                   | QTU             | ARC-CAD                     | HEAVY USE AREA; LIMITED USE AREA     |
| 41UR13             | 1                   | QTU             | ARC-CAD                     | LIMITED USE AREA; SMALL SETTLEMENT   |
| 41UR14             | 1                   | QTU             | ARC-CAD                     | LIMITED USE AREA; SMALL SETTLEMENT   |
| 41UR15             | 1                   | QTU             | CAD                         | SETTLEMENT                           |
| 41UR16             | 1                   | QTU             | ARC-CAD                     | LIMITED USE AREAS                    |
| 41UR18             | 1                   | QTU             | ARC-CAD                     | LIMITED USE AREA; MOUND & CEM        |

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**13. ABSTRACT (Maximum 200 words)**

The investigation presented in this report provides a geomorphic framework for cultural resources evaluation along the Shreveport, LA, to Daingerfield, TX, reach of the Red River Waterway. The main focus of the study examined the Big Cypress Bayou portion of the proposed navigational project. The Red River segment was evaluated in general geomorphic terms and how its processes affect Caddo Lake and the Big Cypress Bayou reach. The study consisted of two phases. Phase I was a preliminary investigation involving field reconnaissance and geomorphic mapping. The mapping identified three major landforms surfaces, i.e. valley slopes, terraces, and the floodplain. Phase II expanded the study to test site specific stratigraphic and chronological characteristics of different depositional environments. Radiometric dates provide a partial chronology for the geomorphic development of the study area. The archaeological significance of the geomorphic features and history is provided to predict site potential. Correlation of existing archaeological data indicates a landscape affinity by cultural component. Archaic sites are concentrated on the valley slopes and terraces. Caddo sites correlate to historic shorelines and with point bar and natural levee deposits on the floodplain.

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