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CULTURAL RESOURCES SURVEY AND TESTING ALONG DITCH 19 AND EXTENSIVE TESTING OF 23DU289 DUNKLIN AND STODDARD COUNTIES, MISSOURI

by

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and

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ABSTRACT

From January 12 to January 19, 1987, Mid-Continental Research Associates (MCRA) conducted a cultural resources survey along Ditch 19 and Lateral No. 1 in Dunklin County, Missouri. The survey resulted in the identification of twelve potential prehistoric archeological sites and one prehistoric isolated find. Initial site testing was accomplished by MCRA from February 4 to February 10, 1987. Several of the potential sites were found to be part of the same site, resulting in a total of seven prehistoric archeological sites and one prehistoric isolated find. Intensive testing consisted of the collection of controlled surface collections (CSCs), the excavation of 1 m x 1 m test units or 0.30 m x 0.30 m control columns (CCs), and site mapping. These investigations determined three sites (23DU284, 23DU289, and 23DU286) to be eligible for nomination to the National Register of Historic Places (NRHP). Sites 23DU285, 23DU287, 23DU288, and 23DU290 were determined to be ineligible for nomination to the NRHP. In the spring of 1988, additional testing was conducted at 23DU289. This work demonstrated that the site is smaller than originally believed, but intact deposits and features are, indeed, below the spoil pile. Recommendations were made for mitigation by avoidance on 23DU284 and mitigation by data recovery of the impact zone on 23DU289 and 23DU286.

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ACKNOWLEDGMENTS

A smoothly-run project requires the cooperation of a large number of people. Working in middle of the winter can be a very unpleasant experience, although we were lucky to have 50 and 60 degrees throughout the present project. Many people had a hand in making this project run as pleasantly and smoothly as possible.

Mr. Jim D. McNeil, the Contracting Officer's Technical Representative, provided valuable assistance in coordinating the needs of the Corps of Engineers and provided valuable technical background information about the project area.

The archeological field work was under the direction of Kathryn King, yet valuable input was provided by a very experienced and capable crew composed of Dr. Robert H. Lafferty, III, James P. Harcourt, Rosemary C. Swanson, J. Shawn Chapman and Alice A. Duncan.

The people of Campbell and Malden, Missouri were very friendly and helped us in any way they could. The Fosters who own Brown's Motel provided us with a warm, clean place to sleep and helped out immensely with landowner information. The people at the Duchess Cafe in Campbell provided us with nourishment and encouragement every morning.

The landowners were very courteous throughout the project, providing us with permission to access their property and also providing us with valuable information about recent land use practices and local history.

The archeological laboratory analysis was conducted by Kathryn King, Jody O. Holmes, Alice A. Duncan, Dr. Theodore Ekechukwu and Don S. Warden under the direction of Kathleen M. Hess.

Phillip Hartnady, a graduate student of Physical Anthropology at The University of Arkansas was very gracious in analyzing the human bone found during the project.

Mr. Michael S. Weichman, Mr. Christopher B. Pulliam, and Mr. Thomas D. Holland conducted the background and literature search. Mr. Eric van Haartesveldt of the Missouri Archeological Society provided us with state site numbers.

The cooperation and input from all of the above mentioned people made it possible for us to complete the project and gain the most information possible from the archeological remains. Once again, the joint effort of good people has aided in pushing back the clowns of time.

CHAPTER 1

INTRODUCTION

Mid-Continental Research Associates (MCRA) has conducted a cultural resources survey and evaluation of Ditches 19 and Extension, Dunklin and Stoddard Counties, Missouri for the Memphis District, Corps of Engineers (COE). The specifications were detailed in the Scope of Work, which outlines the goals of the project as follows:

a. Research Design
b. Cultural Resources Review
c. Intensive Survey
d. Initial Site Testing
e. Laboratory processing, analysis, and preservations
f. Report preparation
g. Curation

The purpose of this work is to provide the COE with a cultural resources inventory and evaluation in areas to be impacted by the deepening and widening of Ditch 19 and Lateral 1, in Dunklin and Stoddard Counties, Missouri. The survey also included a 25 acre plot that is planned to be sold by the Corps of Engineers, and the construction zone around a bridge over Ditch 19. This work will place the COE in compliance with the National Historic Preservation Act (Public Law [PL] 89-665), the National Environment Policy Act of 1969 (PL 91-190), Executive Order 11593 (13 May 1971; 36 CFR Part 800), Preservation of Historic and Archeological Data (PL 93-291) , and the Advisory Council on Historic Preservation's "Procedures for the Protection of Historic and Cultural Properties" (36 CFR 800). This report describes how MCRA attained these goals.

PROJECT LOCATION

The surveyed portions of Ditch 19 are located in Dunklin and Stoddard Counties near Malden, Missouri (Figure 1). The project area began at the junction of Ditch 19 and Lateral No. 1, approximately 400 m south of J Highway. The project area extended 9.6 km (6 miles) north along both side of Ditch 19 to ca. 60 m (200 feet) north of the Dunklin-Stoddard county line . A second segment of the project area extended north along both sides of Lateral No. 1 for 4.2 km (2.6 miles). A third segment was surveyed upstream and downstream (60 m [200 feet], both directions on both sides) of a bridge crossing Ditch 19 and located 1.7 km (1.1 miles) north of the Dunklin-Stoddard county line. A 60 m (200 foot) wide transect, on both sides of the ditches, was surveyed prior to improvements to the ditches. In addition, 25 acres of land, owned by the U.S. Army Corps of Engineers, was surveyed prior to being sold back into private ownership. This plot of land was located on the west side of Ditch 19 in the south half of the northeast quarter of Section 13 in Township 22N, Range 9E (Figure 2). These areas were to be surveyed for the presence of archeological sites that, consequently, would be tested for significance according to criteria specified by the National Register of Historic Places (NRHP).

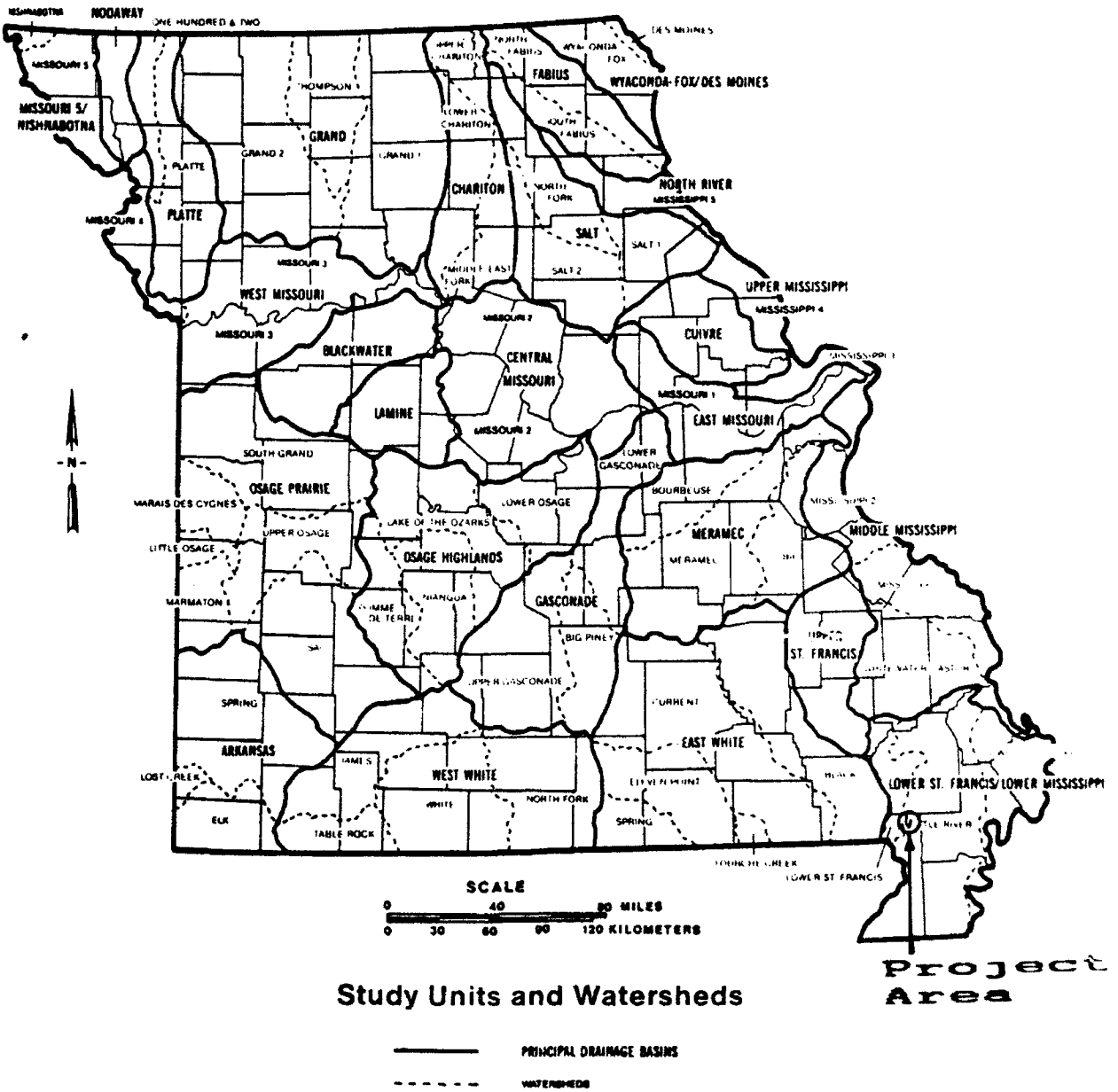

Figure 1. Project area location (Missouri Watershed Map).

PROJECT BACKGROUND

The contract for this work was awarded on 15 December 1986 and the fieldwork was begun on 12 January 1987. The survey was completed on 19 January 1987. The testing was carried out from 4 February to 10 February 1987, during a period of unseasonably warm weather. The background and literature search was conducted on February 3, 1987 by Thomas D. Holland and Christopher B. Pulliam. Artifact analysis was conducted by Kathryn A. King, Jody O. Holmes, under the direction of Kathleen M. Hess. A management summary was submitted 18 February, 1987 and the draft report was submitted on 30 April.

The contract was amended in November, 1987 to include additional testing of 3DU289. Continuously inclement weather deferred fieldwork until the beginning of May, 1988. An updated report was submitted in July of 1988.

This report documents the results of the project. The following chapter frames the context of the project by outlining the environmental and cultural background. In Chapter 3, we detail the survey methods, NRHP testing, and artifact analysis. The fourth chapter describes each site, specifies the investigations carried out at each site, evaluates them, and makes recommendations. The fifth and last chapter synopsizes the project results, summarizes the proposed impacts to the cultural resources, and makes general recommendations for mitigating the impacts.

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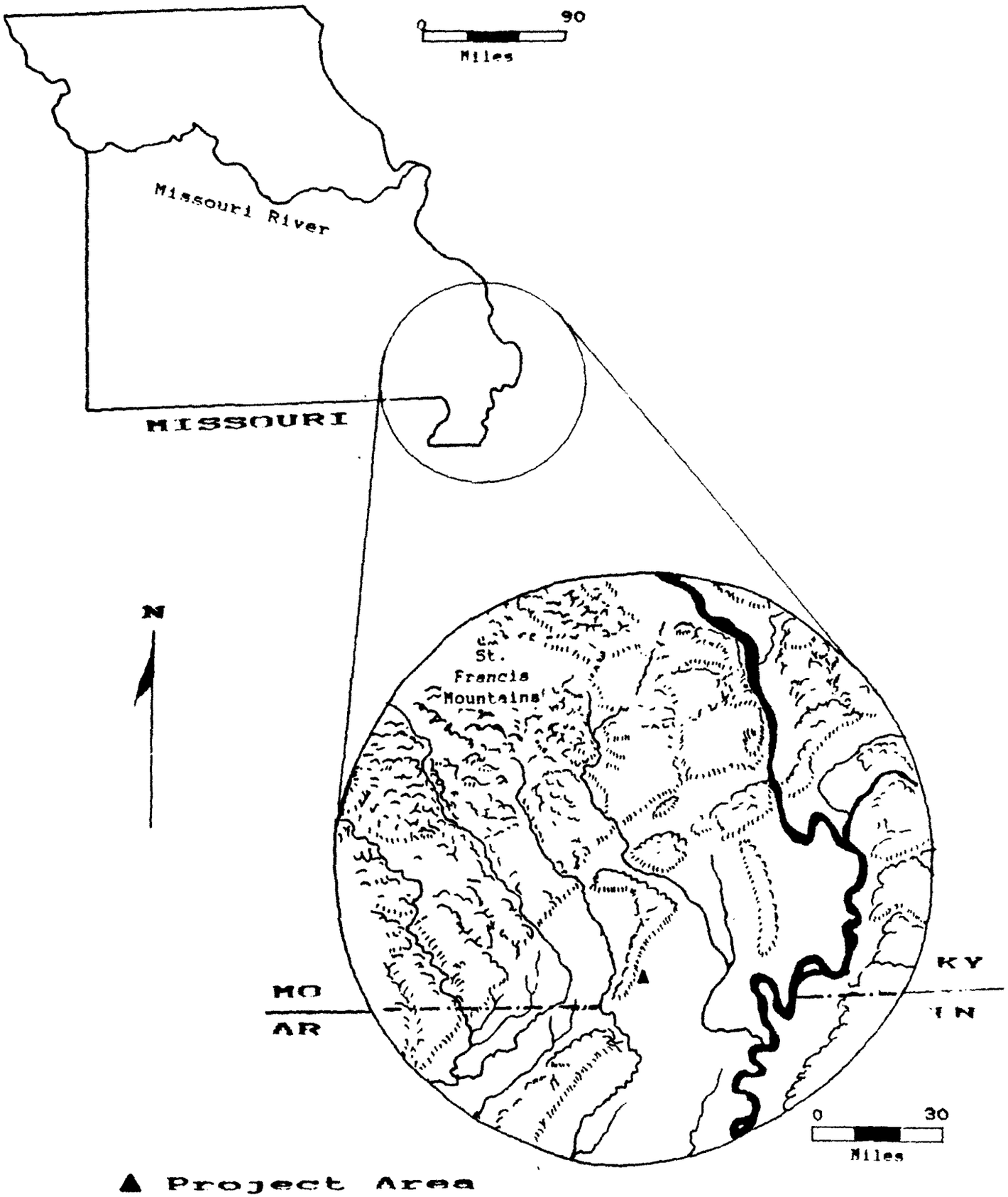


Figure 2. Physiographic environment of the project area.

CHAPTER 2

NATURAL AND CULTURAL ENVIRONMENT

ENVIRONMENT

The modern environment of the project area bears little resemblance to its natural state. The swamps have been drained and the natural levees have been precision-land leveled to a three percent grade. Today the perfectly flat fields covered with wheat, soybeans or milo bear little resemblance to the Southern Floodplain Forest which once covered this project area.

The project area is in what is perhaps one of the most highly modified rural landscapes in North America. The major modifications to the landscape include: (1) timbering, which has totally changed the biota, (2) drainage of the swamps, which has eliminated large areas of water and made agriculture possible in many parts of the watershed, and (3) land-leveling, which is changing the topography making agriculture more efficient and productive. These changes make it difficult to perceive, much less measure, certain facets of the environment and often obscure the locations of cultural resources. Therefore, the methods of measuring certain past environmental variation must be indirect, because natural topography, flora, and fauna are no longer present in the landscape (Beadles 1976).

The Malden Plain

The Malden Plain is 3-5 miles wide and about 100 miles long. It is bounded by Crowley's Ridge on the north and west, Little River Lowlands on the east and the St. Francis River on the southwest. It is the highest and driest land between Crowley's Ridge and the Chickasaw Bluffs in Tennessee along the Mississippi River.

The Malden Plain is a relict braided surface which was deposited in terminal Pleistocene times by the meltwater from the continental glaciers. Saucier (1974) divides the Braided Stream Surface into two main terraces. The older terrace (T^1) is primarily located west of Crowley's Ridge, but a small patch exists east of the ridge in the St. Francis Basin (Figure 1). This terrace, called the Malden Plain, is sandier and has greater relief than does the later Terrace 2 located to the east on the Little River Lowlands. Saucier divides the Braided Surface Terrace into two sublevels. The general project area is within the higher western subterrace (Figure 1); however, it is specifically within the more recent backwater swamp clays between the better drained soils of the Malden Plain and Crowley's Ridge. These clays overlay the braided surface sands. Recent geomorphic work carried out by MCRA for the Memphis District COE suggest that the braided channels have infilled with clay during the Holocene. The sandy edges, adjacent to the infilled channels and swamps, were highly favorable places for human occupation (cf. Lewis 1974; Lafferty et al. 1984, 1985, 1987).

Ditch 19 and two laterals (1 and 2) are the major ditch drainages of the back swamp found behind the levee on top of the terrace forming the Malden Plain. At Kennett, 25 miles south of the project area, Ditch 19 drains into the ditches which drain the former Little River (a past course of the Mississippi River) bottomland. These drain in a very linear manner south and east to the center of the Eastern Lowlands at Big Lake. The back side of the levee is a potential transshipment point for lithics, from canoes to land, where the chert could have potentially been reduced and carried across the Malden Plain to the Little River.

SOILS

Soils are the best indicators of past environments in the Lower Mississippi Valley. Two characteristics of riverine bottomland: (1) the manner of deposition effectively sorts different-sized particles by elevation, and (2) relative elevation and the water table determine the kinds of biota which can inhabit a particular econiche. These relationships (briefly discussed below) are well established by archeological, geological, and ecological research in the Lower Mississippi Valley (Lewis 1974; Beadles 1976; Harris 1980; Delcourt et al. 1980; King 1981).

Fluvial dynamics has played a major part on the structuring of the landscape. When a river floods, the load capacity of the river is increased. When the river spills over its bank, its velocity is immediately reduced, which lowers its load capacity causing the largest particles it is carrying to be deposited. The repeated flooding will gradually build up a natural levee composed of the largest particles available, sands and silts under the current gradient. This process can be fairly rapid. For example, there are documented instances of as much as 2m of sand being deposited in one flood (Trubowitz 1984). As the levee builds up, a backswamp forms away from the river and smaller particles, clays, are deposited under more slowly flowing slackwater conditions. Under a meandering regime the river channel will be cut off, eventually forming an oxbow lake. This will fill with a clay plug in time. Many of these features are still directly observable on soil maps (Ferguson and Grey 1971) and in a few instances on topographic maps; however under the current land-leveling practices these are disappearing rapidly.

The General Land Office Maps (Figure 4) often contain important data, even though their plant community categories are quite course grained (1 mile grid control) and do not correspond to modern plant communities. The GLO maps for the project area also show a certain amount of unevenness of surveyor's knowledge and have the additional problem of change through time being mapped over a 21 year period (1840-1861). These maps show the following features (Figure 3): Crowley's Ridge (extreme left), the swamp which Ditch 19 drains, timber on the Malden Plain, a large prairie and several smaller ones and the Little River Lowlands (on the extreme right). Inaccuracies due to the survey on the section lines are apparent in section 26 south of the bend in the ditch from the southwest to due south where the edge of the swamp probably extended further to the west. From this and the known common sense proclivity of the early ditch diggers to move as little dirt as possible, it is clear that Ditch 19 was placed in the deepest part of the swamp near the backside of the plain and at the toe of the slope from Crowley's Ridge.

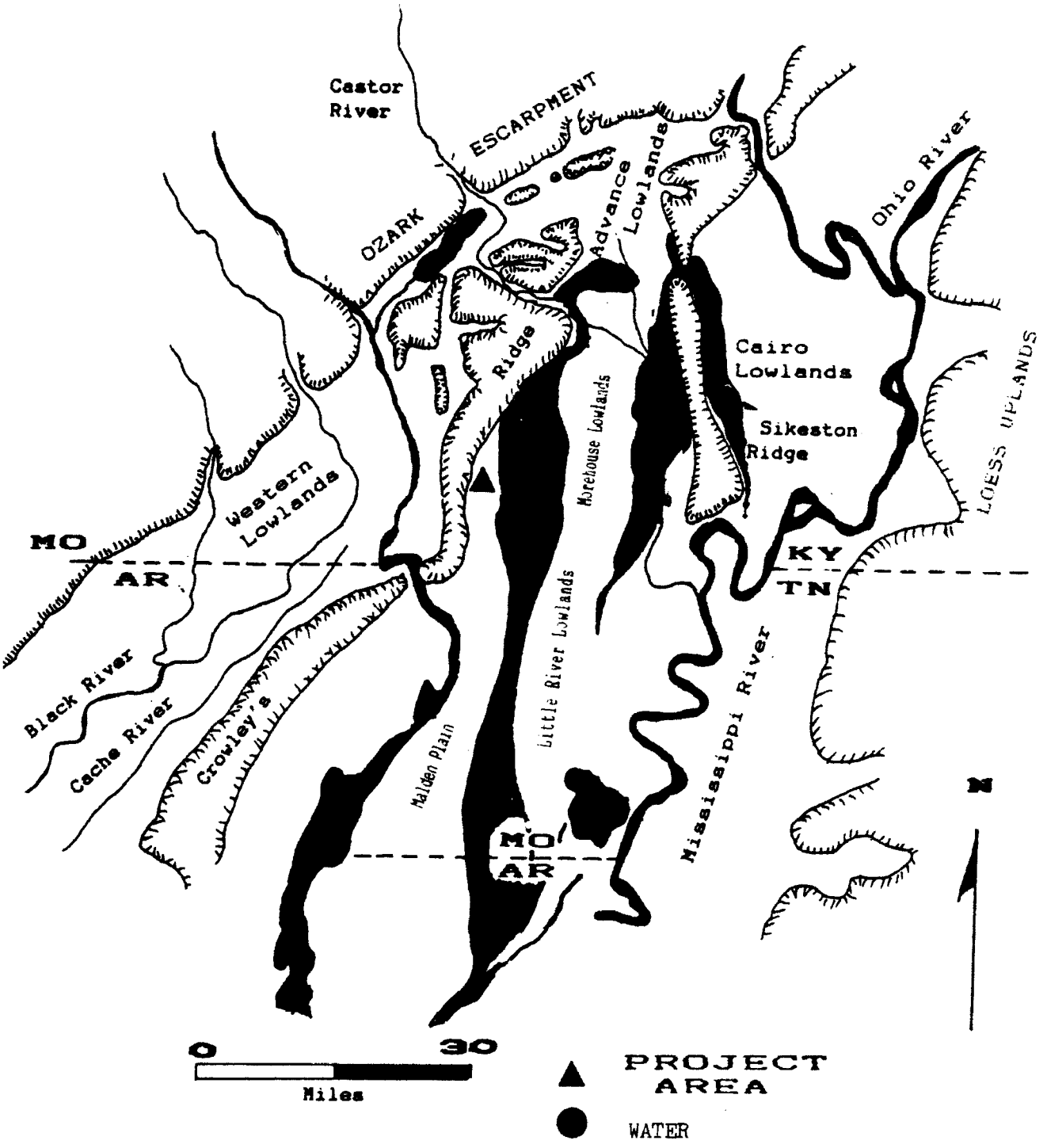


Figure 3. Project Area and Geologic Surfaces (after Saucier 1970)

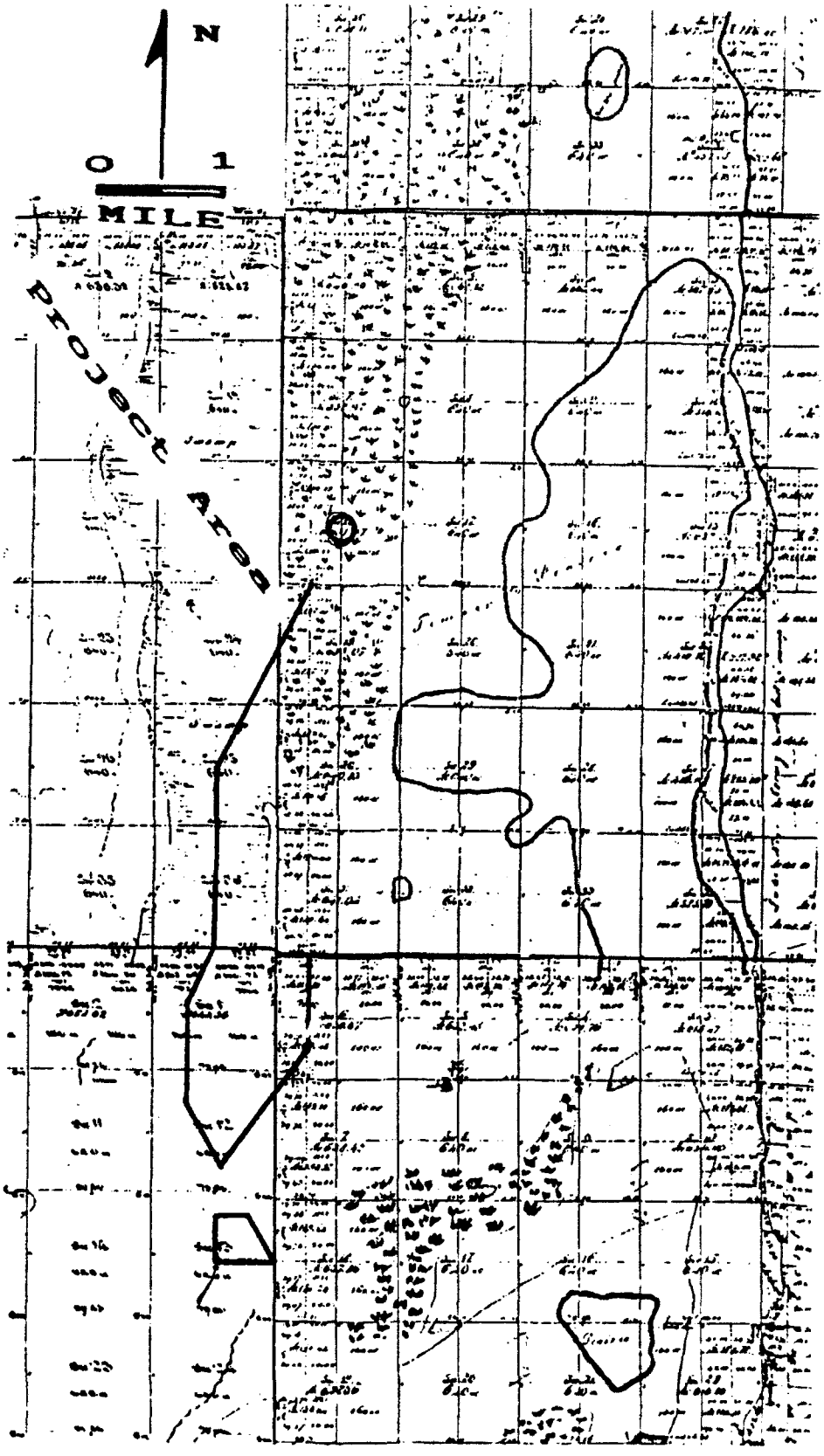


Figure 4. Project area and General Land Office Maps (1840, 1860 and 1861).

SOILS AND BIOTIC COMMUNITIES

The relationship of biota to riverine features in the Lower Mississippi Valley is well kno[illegible]wis 1974; Lafferty 1977; Butler 1978; Morse 1981). Because of the radical changes in the environment in the past century, these are reconstructions based on named witness trees in the GLO survey notes. These studies have consistently identified plant communities associated with particular soil types (cf. Lewis 1974:35).

There are two plant communities associated with the levees, the Sweetgum-Elm Cane Ridge Forest and the Cottonwood-Sycamore Natural Levee Forest. These plant communities were the driest environments in the natural landscape and had a high potential for human settlement. They are, in fact, successional stages, with the Cottonwood-Sycamore forest being found along active river channels, while the Cane Ridge Forest is found on the levees of abandoned courses. Levee soils in the immediate project area include Canalou loamy fine sand, Farrenburg fine sandy loam and Malden fine sand. These are distributed in small linear patches which seldom intersect the project area. Where they do intersect the project area there are always sites.

There are four aquatic biotic communities: river, lake, marsh and swamp. These low lying areas are unsuitable for human occupation. Several of these are involved in successional sequences; however, since about the Middle Woodland period all were present at any given time prior to drainage. The project area is located in an area which was a swamp with a conspicuous filled in channel of a smaller magnitude. This was mapped as a swamp in the General Land office Survey (Figure 3). The principal soils of these bottoms and basins are: Cairo silty clay, Gideon loam, Sikeston loam, and Roellen silty clay. In modern nonland-leveled topographic terms these are all concave basin surfaces which contained water in predrainage days.

Between these two extremes are the river edge communities and the seasonal swamps. In drier times the latter contained areas suitable for occupation. The former is a line-like interface with a steep slope and little substantial flat area. In the project area these are represented by Lilbourn fine sandy loam.

The correlation between soils and plant communities is not a 1:1 ratio. These deposits are building up and what was at one time a swamp may in a few decades become a dry levee. This process brings about biotic successional changes. However, there is a high correlation between soils and last successional stage plant communities. Because the surface is aggrading, the widest possible extent of habitable dry land, as it was prior to levee construction and drainage, is modeled. This correlation combines the two successional stages of levee biotic communities which are indistinguishable with the synchronic perspective embodied in our data. The edge communities are lumped together, as are the aquatic environments. These communities, all modeled from the last stages of deposition, cannot be distinguished in further detail with our present level of data, and it is probable that greater precision may be spurious.

Research studies using soils and plant communities to model prehistoric occupation in Northeast Arkansas (Dekin et al. 1978; Morse 1981; Lafferty et al. 1984; 1985; 1987), in the adjacent portions of the Missouri Bootheel

(Lewis 1974; Price and Price 1980), and in the lower Ohio Valley (Muller 1978, Lafferty 1977, Butler 1978) have all suggested that sites are preferentially located on levee soils and are not found in aquatic deposits.

MACROBIOTIC COMMUNITIES

"Macrobiotic" communities - levee, ecotone, and swamp - are composed of different species of plants and animals. Table 1 presents an arboreal species composition reconstructed in Mississippi County, Missouri (Lewis 1974:19-28).

Levee

The Levee Macrobiotic Community, which does not occur in the project area, includes two plant communities: (1) the Cottonwood-Sycamore community found along the active river channel and (2) the Sweetgum-Elm Cane Ridge forest on abandoned courses. The arboreal species found in the Sweetgum-Elm community include all of the species found along the natural levee, however, their mix is considerably different. These two communities are in the highest topographic position in the county and these areas also support a dense understory of plants including cane (*Arundinaria gigantea*), spice bush (*Lindera Benzoin*), pawpaw (*Asimina triloba*), trumpet creeper (*Campsis radicans*), red bud (*Cercis canadensis*), greenbrier (*Smilax* sp.), poison ivy (*Rhus radicans*) and a number of less frequent herbaceous plants. The most common of these was cane, which often formed nearly impenetrable canebrakes. These provided cover for many of the larger species of land animals and were an important source of weaving and construction material.

The major mammals included in this biotic community included white-tailed deer (*Odocoileus virginianus*), cougar (*Felis concolor*), black bear (*Ursus americanus*), elk (*Cervis canadensis*), skunk (*Mephitis mephitis*), opossum (*Didelphus marsupialis*), raccoon (*Procyon lotor*), eastern cottontail rabbit (*Sylvilagus floridanus*), gray fox (*Urocyon cinereoargenteus*), and gray squirrel (*Sciurus carolinensis*). Important avian species included the wild turkey (*Meleagris gallopavo*), the prairie chicken (*Tympanuchus cupido*), ruffed grouse (*Bonasa umbellus*), passenger pigeon (*Ectopistis migratorius*) and Carolina paroquet (*Conuropsis carolinensis*).

Table 1. Arboreal species composition of three biotic communities in Mississippi County, Missouri (percent per community)

Species	Levee	Edge	Swamp
American Elm (*Ulmus* sp.)	23	19	
Ash (*Fraxinus* sp.)	11	14	2
Bald Cypress (*Taxodium distichum*		7	50
Black Gum (*Nyssa sylvatica*)	T	1	
Blackhaw (*Viburnum* sp.)	T		
Black Walnut (*Juglans nigra*)	2		
Box Elder (*Acer Negundo*)	2		
Cherry (*Prunus* sp.)	T		
Cottonwood (*Populus* sp.)	1	3	
Dogwood (*Cornus* sp.)	1		
Hackberry (*Celtus occidentalis*)	12	9	
Hickory, (*Carya* sp.)	5	4	
Shellbark (*Carya laciniosa*)	T		
Hornbeam (*Ostrya virginiana*)	2		
Kentucky Coffee Tree(*Gymnocladus dioica*)	T		
Locust,	T		
Black (*Robinia pseudo-acacia*)	T		
Honey (*Gleditsia Triancanthos*)	T	1	14
Maple, (*Acer* sp.)	3	8	
Sugar (*Acer Saccharum*)	1		
Oak, Black (*Quercus velutina*)	5	2	
Burr (*Quercus macrocarpa*)	1	3	2
Overcup (*Quercus lyrata*)	1		
Post (*Quercus stellata*)	T		
Red (*Quercus rubra*)	1	1	
Spanish (*Quercus falcata*)	1		
Swamp (*Quercus bicolor*)	T	1	
White (*Quercus alba*)	1	1	
Pecan (*Carya illinoensis*)	1	1	
Persimmon (*Diospyros virginiana*)	T	2	2
Plum (*Prunus* sp.)	T		
Red Haw (*Crataegus* sp.)	T	1	11
Red Mulberry (*Morus rubra*)	T		
Sassafras (*Sassafras albidum*)	T		
Sweetgum (*Liquidamber styraciflua*)	20	18	
Sycamore (*Platanus occidentalis*)	1		
Willow (*Silix* sp.)	1	2	18

Abbreviations: T=Trace (i.e. <1%); W=known preferred wood; F= known Food Resource; D=Known drink resource. Data based on Lewis 1974:18-28.

Prior to artificial levee construction the natural levees were the best farmland in this environment, due to their location at the highest elevations from which the spring floods rapidly receded and drained. This environment provided for a large number of useful species of plants and animals, making it an attractive place for settlement at virtually all times (except during floods) since the levees were laid down.

Although not directly within the project area, we note that the large prairies east of the project area were probably of considerable importance. There is some discussion in the archeological literature that these were cultivated during the Mississippi period with the Mill Creek hoes. Prairies were also important places for hunting, as noted by the early French Explorers (Marquette 1954:361), who inferred their presence near by from the buffalo they heard bellowing as they descended from the mouth of the Ohio River in 1673.

Levee/Swamp Ecotone

The macrobiotic community Lewis (1974:24-25) has called the Sweetgum-Elm-Cypress Seasonal Swamp may have been in parts of the project area. This ecotone had few species present at any one time and a noticeably clear understory. The arboreal species composition (Table 1) included water-tolerant species (Cypress, Willow and Red Haw), and at times, the ecotone had aquatic animal species. Flooded regularly every year for several weeks to several months, the clay soils retained the moisture longer than on the levees. These locations were clearly much less desirable for year round occupation than were the levees, but were easy to traverse in dry periods.

Different fauna occupied the area seasonally, drawn from the adjacent swamps and levees. In addition the levee/swamp ecotone was a preferred habitat of the giant swamp rabbit (*Sylvilagus aquaticus*) and crawfish. It is probable that many aquatic species, such as fish, were stranded and scavenged by the omnivores of the forest during the changing of this environment from a wetland to a dry open swampscape. These soils are characteristically poorly drained due to the presence of clays in the upper horizons. In this environment normally aquatic trees, especially cypress, would have been exploitable with land-based technology.

Swamp

Included in this stratum are all of the different environments which were under water prior to drainage. Soils deposited in slackwater conditions are all low lying, and comprise the whole project area. The following different ecozones were included under this rubric before the drainage: river channels, lakes, marsh and cypress deep swamp. These are different successional stages in this environment, but all are aquatic. The only one of the three which has arboreal species is the Cypress Deep Swamp (Table 1).

Several important herbaceous species were found in these aquatic environments. These included cattails (*Typha latifolia*), various grape vines (*Vitis* sp.), button bush (*Cephalanthus occidentalis*), and hibiscus (*Hibiscus* sp.). The latter was an important source of salt (Morse and Morse 1980).

The fauna of the aquatic environment were quite different from the terrestrial species, which seldom penetrated beyond the edge of the swamp. Beaver, mink and otter were important swamp mammals. Of special interest were fish and waterfowl which were in large quantities in this great riverine flyway. In order to exploit these resources a means of water transportation was necessary, such as dugout canoes. Canoes have been dated to at least 3000 B.C. and it is likely that they existed a great deal earlier.

SOILS AND ARCHEOLOGICAL SITES

The distribution of archeological sites in the project area is directly explainable with reference to soils and is not surprising given the previous research into this topic in the general region. All of the archeological sites were associated with the better drained soils, either of the natural levees or Lilbourn soils which extended unmapped across the project area. 23DU289, for example, was in an area mapped as backwater clays, but was on sandy levee soils. All sites were associated with sandy soils of the Levee Phase. At 23DU290, there was a 1/2 meter elevation disconformity and one could see the soil transition on the ground. No cultural material was observed in the area west of this line on the soil map and the field obviously had not been land leveled.

23DU284 and 23DU285 had both been land-leveled. This determination was based on field observations, excavations, and statements by the land owners. Both sites had the higher sandy soils leveled toward the poorly drained soils along Ditch 19. The ridge had not been land-leveled in the field between these two sites and also contained archeological deposits. On site 23DU285 the mapped soil type along the ditch was Cairo silty clay, yet the current composition of the plowzone was sandy clay next to the ditch. All in all, the evidence is overwhelming that these two sites are well outside of the impact area if construction takes place on the east side of the ditch.

23DU289 and 23DU286 are both cut by the ditches. These are both on sandy soils adjacent to the old bayou.

PREVIOUS ARCHEOLOGICAL RESEARCH

Archeological research has been carried out in Northeast Arkansas and Southeast Missouri for nearly a century (Table 2). As with much of the Mississippi Valley, the earliest work was done by the Smithsonian Mound Exploration Project (Thomas 1894), which recorded the first sites in the region. Most of these sites were the large mound groups. Since that time a great deal of work has been done in the Central Mississippi Valley area (cf. Willey and Phillips 1958 for definitions of technical terms) resulting in several extensive syntheses of the region's prehistory (Morse and Morse 1983; Chapman 1975, 1980). In this section, we summarize the archeological research that has taken place, what is known of the prehistory of the region, and limits in these data as they apply to the project area. Finally, we discuss what is known about the distribution of archeological sites in the region.

The earliest professional archeological work in the region was the work carried out by the mound exploration project of the Smithsonian Institution (Table 2). Thomas (1894) and his associates excavated at three sites near the

project area: Taylor's Shanty, Tyronza Station, and the Jackson Mounds. These were all Mississippi period sites located outside the project area. This work consisted principally of excavation in large mound sites, and identified the American Indians as the authors of the great earthworks of the eastern United States.

Most of the early work was concerned with the collection of specimens for museums (e.g., Potter 1880; Moore 1910; Fowke 1910). Some of these data were used to define the great ceramic traditions in the eastern United States (Holmes 1903), including Mississippian. Many of these original conceptualizations are still the basis on which our current chronologies are structured (e.g. Ford and Willey 1941; Griffin 1952; Chapman 1952, 1980).

There was a hiatus in the archeological work in the region until the 1940s, when Adams and Walker began doing the first modern archeological work for the University of Missouri (Adams and Walker 1942; Walker and Adams 1946). Beginning in 1939 the Lower Mississippi Valley Survey (LMVS) conducted a number of test excavations at many of the large sites in the region (Phillips, Ford, and Griffin 1951; S. Williams 1954). This work has continued to the present in different parts of the valley (e.g., Phillips 1970; S. Williams 1984). The LMVS has produced definitions of many of the ceramic types in the Lower Mississippi Valley area and produced the first phase definitions for many of the archeological manifestations known in the latter part of the archeological record, particularly the Barnes, Baytown, and Mississippian traditions of the north (S. Williams 1954).

Table 2. Previous Archeological Investigations in Northeast Arkansas and Southeast Missouri.

Investigator	Location and Contribution
Potter 1880	Archeological investigations in Southeast Missouri
Evers 1880	Study of pottery of southeast Missouri
Thomas 1894	Mound exploration in many of the large mound sites in SE Missouri, and northeast Arkansas
Fowke 1910	Mound excavation in the Morehouse Lowlands.
Moore 1910, 1911 1916	Excavation of large sites along the Mississippi, St. Francis, White and Black Rivers.
Adams and Walker 1942	Survey of New Madrid County
Walker and Adams 1946	Excavation of houses and palisade at the Mathews site
Phillips, Ford, and Griffin 1951; Phillips 1970	Mapped and sampled selected sites in SE Missouri, and NE Arkansas Lower Mississippi Valley Survey (LMVS), proposed ceramic chronology.
S. Williams 1954	Survey and excavation at several major sites in SE Missouri, original definition of several Woodland and Mississippi phases
Chapman and Anderson 1955	Excavation at the Campbell site, a large Late Mississippian Village in SE Missouri
Moselage 1962	Excavation at the Lawhorn site, a large Middle Mississippian Village in NE Arkansas
J. Williams 1964	Synthesis of fortified Indian villages in S. E. Missouri
Marshall 1965	Survey along I55 route, located and tested many sites east of project area
Morse 1968	Initial testing of Zebree and Buckeye Landing Sites

Table 2 (Continued). Previous Archeological Investigations

Reference	Location and Contribution
J. Williams 1968	Salvage of sites in connection with land leveling, Little River Lowlands
Redfield 1971	Dalton survey in Arkansas and Missouri Morehouse Lowlands
Schiffer & House 1975	Cache River survey
Price et al. 1975	Little Black River survey
Morse and Morse 1976	Preliminary report on Zebree excavations
Chapman et al. 1977	Investigations at Lilbourn, Sikeston Ridge
Harris 1977	Survey along Ditch 19, Dunklin County, Missouri
Klinger and Mathis 1978	St. Francis II cultural resource survey in Craighead and Poinsett County, Arkansas
LeeDecker 1978	Cultural resources survey, Wappapello to Crowley's Ridge
Padgett 1978	Initial cultural resource survey of the Arkansas Power and Light Company transmission line from Keo to Dell, Arkansas
I. R. I. 1978	Cultural resources survey and testing, Castor River enlargement project.
Dekin et al 1978	Cultural resources overview and predictive model, St. Francis Basin
LeeDecker 1979	Cultural resources survey, Ditch 29, Dunklin Co, Missouri.
Morse 1979	Cultural resource survey inside Big Lake National Wildlife Refuge
J. Price 1979	Survey of Missouri and Arkansas Power Corporation power line in Dunklin County, Missouri
LeeDecker 1980a	Cultural resource survey, Ditch 81 control structure repairs

Table 2 (Continued). Previous Archeological Investigations

Reference	Location and Contribution
LeeDecker 1980b	Cultural resources survey, Upper Buffalo Creek Ditch, Dunklin County, Missouri and Mississippi County, Arkansas
Morse and Morse 1980	Final report to COE on Zebree project
J.Price 1980	Archeological investigations at 23DU244, limited activity Barnes site, Dunklin County Missouri
J. Price 1980	Cultural survey, near St. Francis River, Dunklin County, Missouri
Price and Price 1980	A predictive model of archeological site frequency, transmission line, Dunklin County, Missouri
Klinger et al. 1981	A cultural resources survey and phase II testing at 23SO502 along the Castor River in Stoddard County, Missouri and phase II testing of 23DU207, 23DU234 and 23DU243 along Ditch 19 in Dunklin County, Missouri
Lafferty 1981	Cultural resource survey of route changes in AP&L Keo-Dell transmission line
Leedecker 1981	A survey level report of the Ditch 19 channel enlargement project Item 1, Parcel 2 and Item 2 Dunklin County, Missouri
C. Price 1982	Cultural resource survey, runway extension, Kennett Airport, Dunklin County Missouri
J.Price and Perttula	Cultural resource survey of areas disturbed by sewer system, Arbyrd, Missouri
Klinger 1982	Mitigation of Mangrum site
Santeford 1982	Testing of 3CG713
Bennett and Higginbotham 1983	Mitigation at 23DU227, Late Archaic thru Mississippian site

Table 2 (Continued). Previous Archeological Investigations

Reference	Location and Contribution
Keller 1983	Cultural resources survey and literature review of Belle Fountain Ditch and tributaries
Klinger 1983	Ditch 19 extension: a cultural resources literature search of the Ditch 14, Lateral A, Lateral 1 and extended reach of Ditch 19 in Dunklin and Stoddard Counties, Missouri.
J. Price 1983	Phase II testing of Roo sites, Kennett Airport, Dunklin County, Missouri
J. & C Price 1984	Testing Shell Lake Site, Lake Wappapello
Chapman 1975, 1980	Synthesis of Archeology of Missouri
Morse and Morse 1983	Synthesis of Central Mississippi Valley prehistory
Lafferty et al. 1984, 1985	Cultural resource survey, testing and predictive model, Tyronza Watershed, Mississippi County, Arkansas

Beginning in the 1960s, there has been an increase in the tempo and scope of archeological work carried out in the region. This has included a large number of survey and testing projects carried out with respect to proposed Federally funded projects (Marshall 1965; Williams 1968; Hopgood 1969; Krakker 1977; Gilmore 1979; IRI 1978, Dekin et al. 1978, Lafferty 1981; Morse and Morse 1976, 1980; Morse 1979; Klinger and Mathis 1978; Klinger 1982; Padgett 1978; C. Price 1976, 1979,, 1980; J. Price 1976a, 1976b, 1978; Greer 1978; LeeDecker 1979; Price, Morrow and Price 1978; Price and Price 1980; Santeford 1982; Sjoberg 1976; McNeil 1980, 1982, 1984; Klinger et al. 1981). These projects are generally referred to as Cultural Resources Management studies and have greatly expanded the number of known sites from all periods of time. These projects have produced a large body of data on the variation present on a range of different sites, and have greatly increased our knowledge of this area.

Along with these small scale archeological projects there was a continuation of the large scale excavation projects carried out in the region. Major excavations at the Campbell site (Chapman and Anderson 1955), Lawhorn (Moselage 1962), Snodgrass site (Price 1973; Price and Griffin 1979), Lilbourn (Chapman et al. 1977; Cottier 1977a, 1977b; Cottier and Southard 1977), and Zebree (Morse and Morse 1976, 1980) have greatly expanded our understanding of

the Mississippian cultures. This understanding has resulted in the definition of the temporal/spatial borders between different Woodland and Mississippian manifestations, and of assemblages. Several major syntheses have resulted (Chapman 1975, 1980; Morse 1982a, 1982b; Morse and Morse 1983) which provide up-to-date summaries and interpretations of the work that has been carried out in the region.

PREVIOUS ARCHEOLOGICAL WORK IN DITCH 19

In January, 1978, Iroquois Research Institute carried out a survey of areas within the Ditch 19 Enlargement Project. Fifty-three sites were identified during the survey. Eight of these sites were considered eligible for inclusion in the National Register of Historic Places. Prehistoric sites were dated from the Paleo-Indian, Archaic, Woodland, and Mississippi period.

Environmental Consultants, Inc. conducted a cultural resources mitigation of a portion of 23DU277, which is bisected by Ditch 19, in 1983. It was discovered that the cultural materials on this portion of 23DU277 represent a separate locus of artifacts. Temporal diagnostic date the site from the Late Archaic period through the Mississippi period.

STATUS OF REGIONAL KNOWLEDGE

The above and other work in adjacent regions have resulted in the definition of the broad pattern of cultural history and prehistory in the region; however, knowledge of the region is still sketchy. Few Archaic and Woodland sites have been excavated. This status has seriously constrained our understanding of settlement systems. Therefore, while this region may be fairly well known with respect to the Mississippi period, much more work needs to be done before the basic contents and definitions of many archeological units in space and time are adequate (cf. Morse 1982a). Presently we have a few key diagnostic types associated with some cultural units; however, the range of artifact assemblage variation across chronological and spatial boundaries are not yet defined, nor are the ranges of site types known for any of the defined units. The adequate definition and resolution of these fundamental questions and problems are necessary before we can begin to reconstruct and use the data for understanding more abstract cultural processes as is possible in better known archeological areas such as the American Southwest.

The Paleo-Indian period (10,000-8,500 B.C.) is known in the region from scattered projectile point finds over most of the area. These include nine Clovis and Clovis-like points from the Bootheel (Chapman 1975:93). Intact sites have not been identified from this period. The basal deposits of the major bluff shelters thus far excavated in the nearby Ozark Mountains have contained Dalton period assemblages. Lanceolate points are known from bluff shelters and high terraces (Sabo et al. 1982:54) which may represent different kinds of activities or extractive sites, as they have been shown to have been in other parts of the country. For the present, any Paleo-Indian site in the region is probably significant.

The Dalton period (8,500-7,500 B.C.) is fairly well known in the Ozarks with modern controlled excavations from Rogers, Albertson, Tom's Brook, and Breckenridge shelters (McMillan 1971, Kay 1980; Dickson 1982; Logan 1952; Bartlett 1963, 1964; Wood 1963; Thomas 1969). Adjacent areas of the Lower

Mississippi Valley have produced some of the better known Dalton components and sites in the central continent. These include the Sloan site (Morse 1973) and the Brand site (Goodyear 1974). These and other more limited or specialized excavations and analyses have resulted in the identification of a number of important Dalton tools (i.e. Dalton points with a number of resharpening stages, a distinctive adze, spokeshaves and several varieties of unifacial scrapers, stone abraders, bone awls and needles, mortars, grinding stones and pestles. At least three different site types have been excavated: the bluff shelters, which were seasonal habitation sites, a butchering station (the Brand site) and a cemetery (Sloan site). Presently we do not have the other part(s) of the seasonal pattern which should be present in the region, nor have any other specialized activity sites been excavated. Dalton sites are known in a number of locations, especially on the edge of the Relict Braided Surface, on Crowley's Ridge, and the edge of the Ozark Escarpment. Given the present resource base there are a number of important questions which have been posed concerning the early widespread adaptation to this environment (Price and Krakker 1975; Morse 1982a, 1976).

The Early to Middle Archaic periods (7,500 - 3,000 B.C.) are best known from bluff shelter excavations in the Ozarks (Rogers, Jakie's, Calf Creek, Albertson, Breckenridge and Tom's Brook shelters). During this long period a large number of different projectile point types were produced (i.e. Rice Lobed, Big Sandy, White River Archaic, Hidden Valley Stemmed, Hardin Barbed, Searcy, Rice Lanceolate, Jakie Stemmed, and Johnson). No controlled excavations have been done at any Early or Middle Archaic site in southeast Missouri or northeast Arkansas (Chapman 1975:152). There are no radiocarbon dates for any of the Archaic period from southeast Missouri (Dekin et al. 1978:78-79; Chapman 1980:234-238). The Middle Archaic archeological components are rare to absent in the Central Mississippi Valley (Morse and Morse 1983). Therefore, much of what we know of the archeological manifestations of this period is based on work in other regions, which has been extrapolated to the Mississippi Valley based on surface finds of similar artifacts. At present, phases have not been defined.

The Late Archaic Period (3,000 B.C. - ~500 B.C.) appears to be a continuing adaptation to the wetter conditions following the dry Hypsithermal. This corresponds to the sub-Boreal climatic episode (Sabo et al. 1982). The lithic technologies appear to run without interruption through these periods with ceramics added about the beginning of the present era. Major excavations of these components have taken place at Poverty Point, and Jaketown in Louisiana and Mississippi (Ford, Phillips and Haag 1955, Webb 1968). A fairly large number of Late Archaic sites are known in eastern Arkansas and Missouri (Chapman 1975:177-179,224; Morse and Morse 1983:114-135). Major point types include Big Creek, Delhi, Pandale, Gary and Uvalde points. Other tools include triangular bifaces, manos, grinding basins, grooved axes, atlatl parts and a variety of tools carried over from the earlier periods such as scrapers, perforators, drills, knives and spokeshaves. Excavations at the Phillips Spring site has documented the presence of tropical cultigens (squash and gourd) by ~2,200 B.C. (Kay et al. 1980). The assemblages recovered in the bluff shelters from this time period indicate that there was a change in the use from general occupation to specialized hunting/butchering stations (Sabo et al. 1982:63). There are some indications of increasing sedentariness in this period, however, the range of site types have not been defined. Late Archaic artifacts are well known from the region, with artifacts usually present on any large multicomponent site. Our understanding of this period is

limited to excavations from a few sites (Morse and Morse 1983; Lafferty 1981). At present we do not know the spatial limits of any phases (which have not been defined), nor do we have any control over variation in site types and assemblages.

The Early Woodland Period (500 B.C.(?) - 150 B.C.). During this period there appears to have been a continuation of the lithic traditions from the previous period with an addition of pottery. As with the previous period this is a very poorly known archeological period with no radiocarbon dates for the early or beginning portions of the sequence. The beginning of the period is not firmly established and the termination is based on the appearance of Middle Woodland ceramics dated at the Burkett site (Williams 1974:21). The original definition of the Tchula period was made by Phillips, Ford and Griffin (1951:431-436). In the intervening time a fair amount of work has been done on Woodland sites. Chapman concludes that we are not yet able to separate the Early Woodland assemblages from the components preceding and following. At present there is considerable question if there is an Early Woodland period in S. E. Missouri (Chapman 1980:16-18). Recent work in northeast Arkansas, however, has identified ceramics which appear, stylistically, to be from this time period (Morse and Morse 1983; Lafferty et al. 1985) and J. Price (personal communication) has identified a similar series of artifacts in the Bootheel region. Artifacts include biconical "Poverty Point objects," cordmarked pottery with noded rims similar to Crab Orchard pottery in Southern Illinois and the Alexander series pottery in the Lower Tennessee Valley, and Hickory Ridge points.

The Middle - Late Woodland periods (150 B.C.- A.D. 850) was a period of change. There is evidence of participation in the "Hopewell Interaction Sphere" (dentate and zone-stamped pottery, exotic shell; Ford 1963) and horticulture is increasing (corn, hoe chips and farmsteads). There is some mound construction notably the Helena mounds at the south end of Crowley's Ridge (Ford 1963) indicating greater social complexity. Typical artifacts include Snyder, Steuben, Dickson and Waubesa projectile points, and an increasing number of pottery types (cf. Rolingson 1984; Phillips 1970; Morse and Morse 1983). In the late Woodland there is an apparent population explosion as evidenced by a great number of sites with plain grog-tempered pottery in the east and Barnes sand-tempered pottery in the west of the Central Valley (Morse and Morse 1983; Chapman 1980). Decorations on Barnes ceramics may be temporally sensitive (Feathers and Dunnell 1986:4). There is some evidence of architecture (cf. Morse and Morse 1983; Spears 1978) in this period as well as mound center construction (Rolingson 1984). A number of large open sites have not been excavated. There appears, therefore, to be a rather large bias in what we know about this important period toward the spectacular mound centers. There is still a great deal which is not understood about the cultural sequence and changes which came about during this important period. The Late Woodland in this area has been suggested as the underlying precursor to the Mississippian, which came crashing into the area with the introduction (Invention ?; cf. Price and Price 1981) of shell-tempered pottery and the introduction of the bow and arrow around A. D. 850.

The Mississippi period (A.D. 850-1673) is known from the earliest investigations in the region (Thomas 1894; Holmes 1903; Moore 1916), and has been the most intensively investigated portion of the prehistoric record in northeast Arkansas and southeast Missouri (Chapman 1980; Morse and Morse 1983; Morse 1982; Morse 1981; House 1982). There has been enough work done that the

spatial limits of phases have been defined (cf. Chapman 1980; Morse and Morse 1983; Morse 1981). During this period the native societies reached their height of development with fortified towns, organized warfare, more highly developed social organization, corn, bean and squash agriculture and extensive trade networks. The bow and arrow is common and there is a highly developed ceramic technology (cf. Lafferty 1977; Morse and Morse 1980; Smith 1978). This was abruptly terminated by the De Soto entrada in the mid-16th century (Hudson 1984, 1985; Morse and Morse 1983) which probably passed through the project area.

The Historic Period (1673-present). After the De Soto expedition, the area was not visited until the French opened the Mississippi Valley in the last quarter of the 17th century. The Indian societies were a mere skeleton of their former glory and the population a fraction of that described by the De Soto Chronicles.

During the French occupation most of the settlements were restricted to the major river courses with trappers and hunters living isolated lives in the headwaters of the many smaller creeks and rivers. The St. Francis River was one of the earliest explored tributaries of the Mississippi River in the Lower Mississippi Valley and appears on some of the earliest French maps.

The Euro-American occupation proceeded overland down Crowley's Ridge spreading out from the rivers. Ports were established at Piggott on the high ground of Crowley's Ridge in the St. Francis Gap in 1835. It was located on the Helena-Wittsburg road which ran down Crowley's Ridge (Dekin et al. 1978:358). All of the settlements in the 1830s between Piggott and Helena in the St. Francis Basin were either along the rivers or on Crowley's Ridge. Bloomfield (on Crowley's Ridge) was founded in 1824 while Malden (on the plain) was founded in 1877. Towns continued to be founded in these environments into the early 1900s. Settlements away from the rivers along overland roads began in the 1850s and greatly accelerated with the construction of the railroads, levees and drainage ditches in the late 19th century.

SUMMARY

The project area, therefore, has the potential for deposits dating from terminal Pleistocene times to the present. The placement of Ditch 19 mostly in the edge of the back swamp, which it drains, between the Malden Plain and Crowley's Ridge precluded the possibility of settlement in the predrainage landscape except in the few instances where those locations with dry land were intersected by the ditch. We show in the following chapter that some of the sites along this ecotone are large and important. The high density of local Crowley's Ridge lithics on these indicates that it was a source area for this resource.

CHAPTER 3

SURVEY METHODS

Initial site survey began on January 12, 1987 and was completed on January 19, 1987. The survey was conducted by two people walking in a zig-zag pattern over the 60 m (200 ft) wide right-of-way. Where visibility was good, the area was inspected for the presence of cultural materials. Where visibility was poor (<10%), shovel tests measuring 30 cm x 30 cm x 50 cm were excavated at 30 m intervals. Due to the moist and gummy nature of the soil in the one area that required shovel testing, screening of the soil was not feasible; the dirt from these shovel tests was troweled through and inspected for the presence of cultural materials. The project area consisted almost entirely of cultivated fields that had been harvested and visibility was excellent (50-100%) over most of the project area (Figure 5). One field of grass measured approximately 180 m (196.7 yds.) and had 0% visibility (Area A, Figure 5). Six shovel tests were excavated at 30 m intervals in this field. None of these produced cultural material. Another field of grass (Area B, Figure 5) measured ~400 m (.25 mile) in length and had 0% visibility. The landowner had expressed the wish that we not dig in this area, so shovel tests were not excavated. There was, however, a shallow drainage ditch measuring ca. 25 cm in depth running parallel to Ditch 19 at a distance of 4.2 m east of Ditch 19. The presence of artifacts was noted in this ditch and the area was designated as a site (23DU285).

The 25 acre field was surveyed by two people walking in zig-zag patterns 20 m apart across the length of the field from east to west and visually inspecting the ground surface for the presence of cultural material. Surface visibility was 100% and well rained on since last cultivation.

SURVEY RESULTS

The survey resulted in the identification of twelve potential prehistoric archeological sites and one prehistoric isolated find. During testing of these sites, some were found to be parts of the same site. In total, seven prehistoric archeological sites (23DU284, 23DU285, 23DU286, 23DU287, 23DU288, 23DU289 and 23DU290 and one prehistoric isolated find (potential site 19.14) were identified during the project.

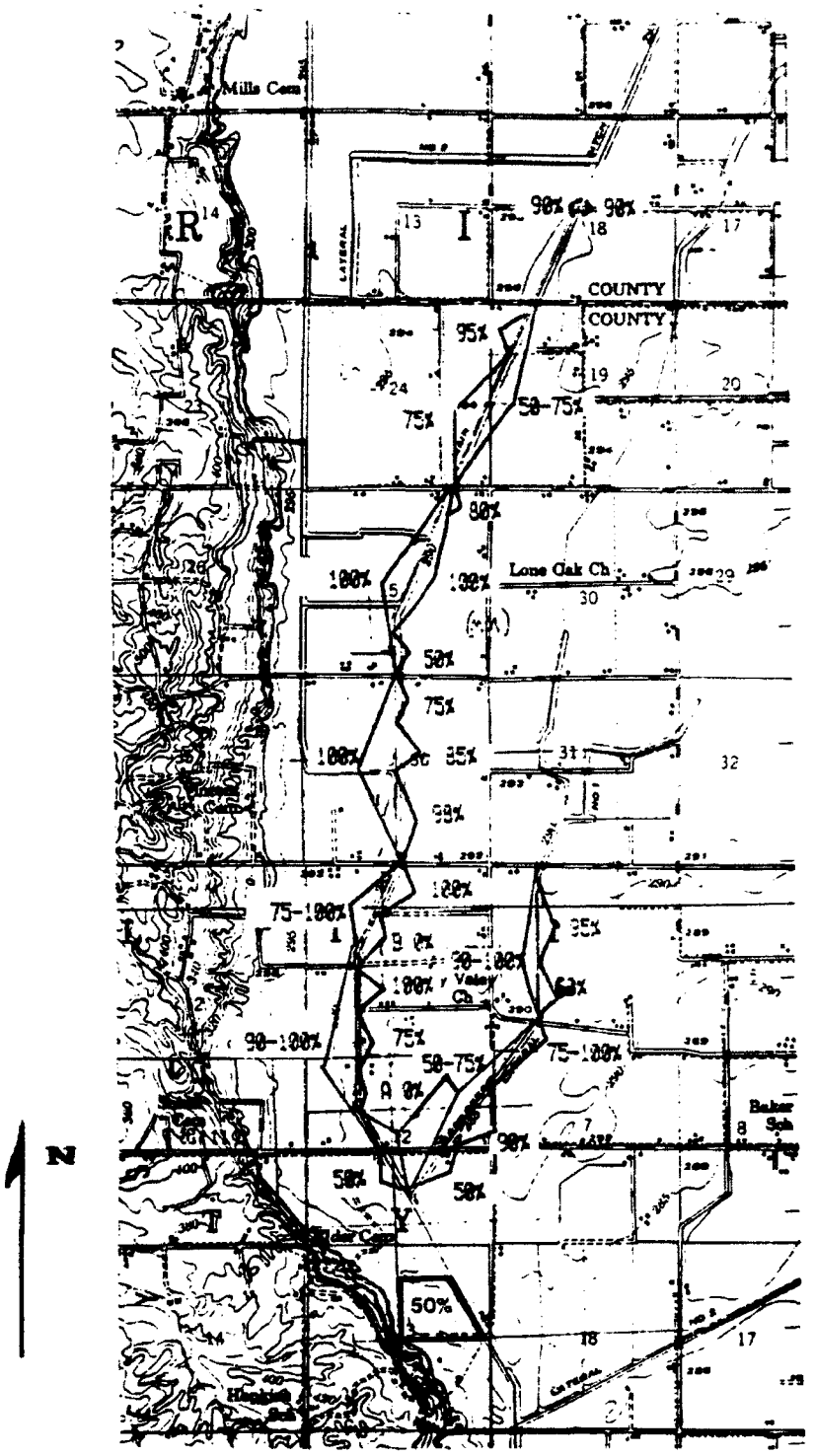


Figure 5. Project area surface visibility (1956 Valley Ridge, Mo. 15' Quadrangle, U.S. Army Corps of Engineers).

Potential site 19.14 was a sand-tempered cord-marked ceramic sherd located approximately 40 m west of Lateral No. 1 on a poorly drained Sikeston Loam soil. The sherd was classed as Late Woodland Barnes Cordmarked. During the testing phase, six people returned to this location and conducted an intense visual inspection of the surface. No other artifacts were found in this land-leveled field. The soil map suggests that this was once an old bayou frequently filled with water and not suitable for human habitation.

The remaining seven sites were revisited during the initial site testing phase of the project and evaluated for potential eligibility for nomination to the NRHP.

INITIAL SITE TESTING METHODS

Due to freezing weather, we were not able to begin initial site testing until February 4, 1987. Testing was completed February 10, 1987. Field personnel included Dr. Robert H. Lafferty, III, Principal Investigator; Kathryn A. King, Project Archeologist; and crewmembers Alice A. Duncan, James P. Harcourt, Rosemary C. Swanson, and J. Shawn Chapman. Additional testing of site 23DU289 was completed by Dr. Lafferty and Mike Chapman in early May 1988. This work consisted of excavating 5 additional test units. Site investigations used a combination of techniques including controlled surface collections (CSC), 1 m x 1 m excavation units, control columns (CC), site mapping, a background and literature search, and informant interviews.

Controlled Surface Collections

Controlled surface collections covering over 25% of the surface artifact scatter were conducted at all sites but 23DU285. At 23DU285, a transect was collected in the plowed ditch mentioned above (due to 0% visibility). Controlled surface collections were laid out in north-south or east-west lines over what was visually determined to be the densest concentration of artifacts at each site. CSC units measured 6 m x 6 m, except at 23DU287 where the spoil pile was collected in 10 m sections.

Before collection, all units were assigned Field Serial Numbers (FSN) and north and east coordinates using the units' southwest corners as the datum. All artifacts were collected within each unit. Artifacts were collected into paper bags labeled with the provenience information. These bags were then boxed by site.

1 m x 1 m Excavation Units

1 m x 1 m units were excavated at sites 23DU284, 23DU286, 23DU288 and 23DU289. These units were excavated in areas which were visually determined to have the greatest concentration of artifacts. Units were excavated in 10 cm arbitrary levels within natural strata. Each unit was excavated at least two levels into sterile soil. The units were assigned north and east coordinates using the southwest corner of the unit as a datum. Each level of dirt was screened through 1/4 inch mesh shaker screens, artifacts collected into cloth bags, and assigned an individual FSN.

Site Mapping

All sites were mapped by using a transit or a Brunton compass and a 50 m tape. All natural and cultural features were mapped. All site investigation techniques conducted were also mapped. A permanent datum was placed on the edge of the field and also mapped.

Background and Literature Search

A background and literature search was conducted by Thomas D. Holland and Christopher B. Pulliam of the University of Missouri at Columbia on 3 February 1987. A review of the State Historic Preservation Office files was conducted in search of information on cultural resources in the project area. No previously recorded sites were found in the immediate project area.

Informant Interviews

Landowners were consulted for information about previous site disturbances and land-leveling practices. These provided crucial data for understanding the surface distributions.

ARTIFACT PROCESSING

Upon completion of fieldwork, the artifacts and special samples were returned to the MCRA laboratory. There, each bag was logged in against the Field Specimen Logs and any discrepancies were resolved before washing began. Artifacts were then gently washed in sequential FSN order. After washing, artifacts were placed on screens with cards bearing appropriate provenience information. These screens were then placed on racks where the artifacts were allowed to slowly dry. Artifacts were sorted using the DELOS inventory system (Limp and Parker 1984). Diagnostic artifacts were pulled for further analysis. Site numbers were obtained from the Missouri Archeological Society and written, along with FSN and Analytical Serial Number (ASN) in indelible ink onto each artifact as required by the division of American Archeology, University of Missouri.

ARTIFACT ANALYSIS

Lithics

Bifaces and projectile points were sorted according to material type and stage of manufacture. Projectile points were then identified by type. Lithic debris was sorted by material type and broadly by stage of manufacture at which it was produced. Decortication flakes were separated from other flakes. Flakes that were produced by soft hammer reduction also were separated, as were flakes that had been retouched, utilized, or modified.

One of the most important distinctions made was between red chert and yellow chert. The lithic material consisted almost entirely of Crowley's Ridge gravels. Most of these are naturally yellow and become red when heated. Ca. 60% of the tools recovered were yellow indicating no heat treatment. Heat treatment of lithics may be a temporally significant and related to specific technological traditions as has been identified elsewhere (Futato 1983; Lafferty and House 1986).

Ceramics

Ceramics were analyzed according to temper, portion of vessel, and decorative technique. When type names were applied, they fit definitions used by other workers in the area.

Bone

Bone was separated according to whether or not it was human. Animal bone was identified according to species when possible. Human bone was identified by Phillip Hartnady, a graduate student of Physical Anthropology at the University of Arkansas.

Historic Materials

There were no historic sites found during this project, but historic garbage tends to be thrown into fields and therefore was present on the surface of the sites. Historic artifacts were documented and identified using the DELOS dictionary (Lockwood 1986).

ARTIFACT RECORDS AND CURATION

Artifacts were processed using standards set forth by the Division of American Archeology, University of Missouri where they will be curated forever for the people the United States of North America. This institution will also curate all pertinent records. Information about artifact categories within each provenience was stored on computer files.

CHAPTER 4

PREHISTORIC SITE INVESTIGATIONS

This chapter presents the data recovered during the initial site testing phase of the project. A physical description, including natural surface features, subsurface deposits, artifact distribution, and past land use practices is given for each site. Recommendations for future management of the sites also are given.

23DU284

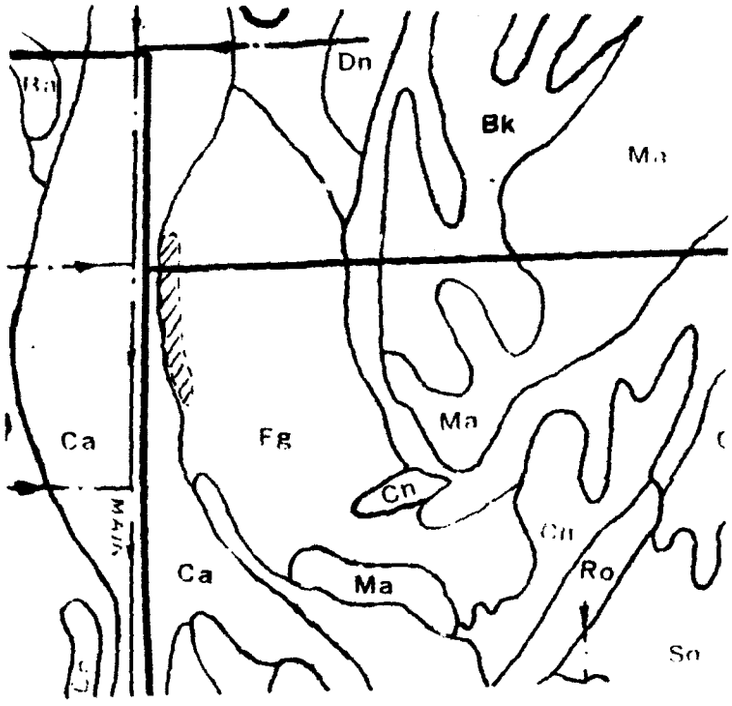
Description

23DU284 is a scatter of prehistoric lithics and ceramics dating to the Late Archaic, Late Woodland, and Mississippi periods. The site is located on Farrenburg Fine Sandy Loam, a levee soil adjacent to the eastern bank of an old bayou (Figure 6). Located in the floodplain of the Mississippi River on the Malden Plain, it is about 3/4 mile east of Crowley's Ridge. The site measures 270 m N-S by 45 m E-W. Its western edge lies 32 m east of Ditch 19.

The 1 m x 1 m test unit discovered a previous plowzone that is beginning to develop soil structure underneath the present plowzone. The landowner, Mr. Harold Taylor, said that the site has been land-leveled from east to west. The main part of the site was once situated a few meters east of the present location and was pushed over to the edge of the bayou.

The proposed project calls for the deepening and widening of Ditch 19. A moderately well-traveled dirt road lined with houses lies immediately adjacent to the eastern edge of Ditch 19. It is not likely that this road will be destroyed, therefore the site should not be disturbed. Widening the ditch east of the road would disturb the site.

Extensive investigations were carried out at the site by six people over a period of one very windy day. These investigations included the surface collection of 1870 square meters of 6 m x 6 m units, the excavation of .59 cubic meters of dirt from a 1 m x 1 m test unit, and mapping of the site.



LEGEND

Ba	Baldwin silty clay loam	Fg	Farrenburg fine sandy loam
Bk	Bosket fine sandy loam	Ma	Malden fine sand, 0-4% slopes
Ca	Cairo silty clay	Ro	Roellen silty clay
Cn	Canalou loamy fine sand	So	Sikeston loam
Dn	Dundee silt loam		

Figure 6. Soil map for site 23DU284.

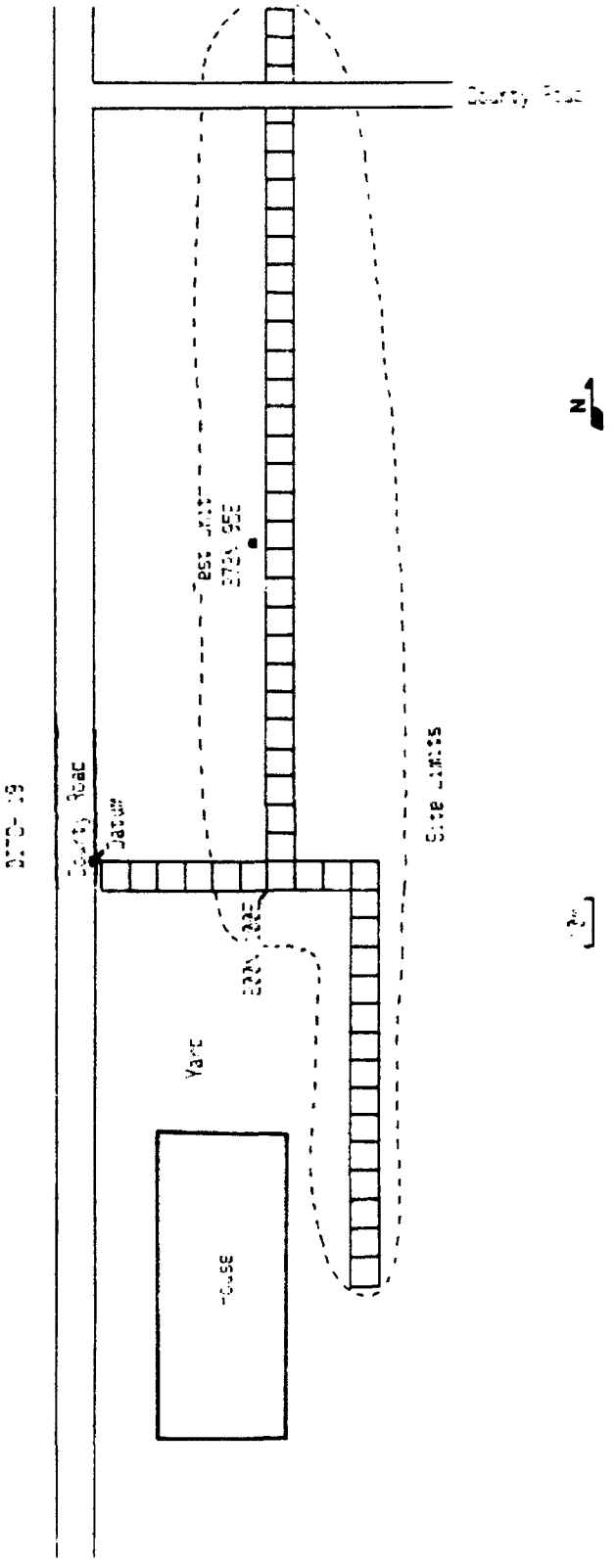


Figure 7. 23DU284, site map.

Controlled Surface Collections: The soil was moist but not saturated when the controlled surface collection was made. The westernmost 15 m of the site were covered in high corn stalks. The rest of the site had been harvested and plowed leaving surface visibility at 95-100%. Only two 6 m x 6 m units were collected in the cornstalk area. Visibility here was approximately 90%. It took three people approximately six hours to completely collect 52 6 m x 6 m units.

The site grid was oriented toward magnetic north. The collection grid was set running north-south down the center of the site. An arbitrary point was established and designated 200N 100E. All units were numbered according to the distance of their southwest corners from this point. A map of the grid area in relation to other features of the site is shown in Figure 7.

The northern and southern thirds of the site have units containing Mississippi period shell-tempered sherds. None were found in the units in the central third of the site. One Late Archaic dart point, a Big Creek, was found in unit 272N 100E, near the center of the site. Big Creek points have been found elsewhere in association with Poverty Point Objects (Perino 1978:10). Barnes Plain and Cordmarked sherds dating to the Late Woodland were found all over the surface of the site. This appears to be the main occupation of the site.

1 m x 1 m Test Unit: One 1 m x 1 m test unit was excavated at the site. Its southwest corner was situated at 272N 95E (Figure 8). The test unit was positioned in a spot which was visually determined to have a dense concentration of artifacts. Its purpose was to determine the depth and nature of subsurface deposits at 23DU284.

The test unit was excavated in arbitrary 10 cm levels within natural levels down to 55 cm below surface (BS). A 30 cm x 30 cm column was further excavated down to 95 cm BS in order to insure that the bottom of the archeological deposits had been found. The plowzone was a 10YR3/3 homogeneous brown sand. Below this level, from 16-36 cm BS, was a 10YR5/3 fine platey silt mottled with siltation bands. This layer contained both prehistoric and historic artifacts. The presence of historic artifacts and the soil's platey nature showed that this level was the plowzone before land-leveling and is now developing soil structure. Below the plowzone was an orange clayey silt with fine concretions of iron or manganese. A few flakes and fire-cracked rock were noted in root molds or rodent burrows within this level. From 77-95 cm BS was a light brownish gray silt with very little clay. No artifacts were noted in the level. Artifacts are listed by level in Appendix B.

In summary, no undisturbed midden was noted. This does not, however, mean that it is unlikely that subsurface features remain intact. The artifact density was moderate at this site and the area of the site excavated was very small. The site's prehistoric proximity to the water's edge on well drained soils (cf. Lafferty et al. 1987) means that this may have been a major activity area.

Proposed Site Function and Cultural Affiliation

The sand and shell-tempered ceramics indicate the site was occupied heavily during the Late Woodland period and to a lesser degree during the Mississippi period. Either the site, at least, was visited during the Late Archaic or someone found a Late Archaic dart point elsewhere and dropped it here. Most of the artifacts recovered were lithic reduction debris, especially early stage decortication flakes and cores. Most of the chert artifacts are of Crowley's Ridge cherts. There is also a range of other tools (drill, scrapers, hammers, projectile points, and bifaces) indicating that domestic and general processing were conducted here.

Site Significance

The site appears to be limited to the plowzone; however, is is probable that intact features do exist. Little is known of the changes through time of Barnes ceramics and tools in Barnes assemblages in the Malden Plain (Dunnell and Feathers 1986:2). This site is likely to contain information important to the identification of different archeological phases of Barnes culture and clarification, in southeast Missouri, of this long-lived culture. Site 23DU284 is eligible for nomination to the NRHP.

Project Impacts

The western 28 m of the site are in the direct impact zone of the proposed widening and deepening of Ditch 19. Since the location of possible subsurface features is unknown, excavation of the east side of Ditch 19 may damage the site.

Recommendations

The site is located entirely east of Ditch 19, as is a moderately well used county road lined with houses. We recommend that the proposed improvements on Ditch 19 be restricted to the west side of the ditch at this location, where there is no evidence of cultural occupation. This will mitigate all impact to the site.

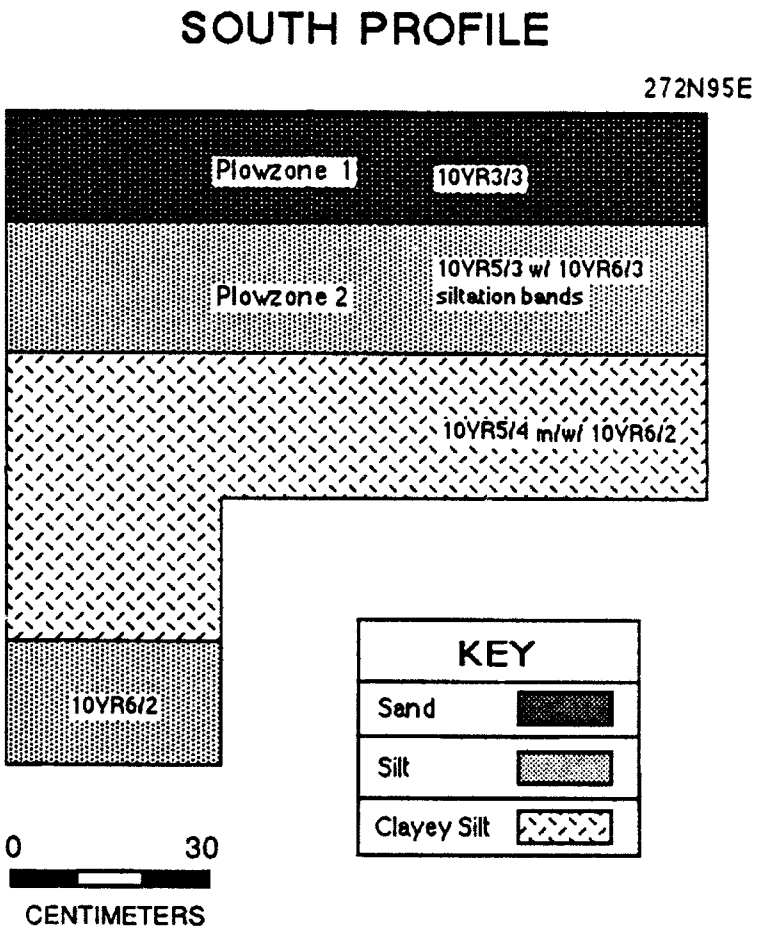


Figure 8. 23DU284, Test Unit 1.

Description

This site consisted of a light scatter of prehistoric lithics and ceramics found in a small drainage ditch running through a field of dense winter wheat. The ditch was 4.2 m east of, and parallel to, Ditch 19. Artifacts were found in the ditch along the entire length of the field, but ceased abruptly with the beginning of adjacent fields to the north and south. The ditch extended north and south for 402 m. The east-west extent of the site is undetermined. The artifacts within the project right-of-way were located on Cairo Silty Loam, a deep, poorly drained, very slowly permeable over rapidly permeable soils formed in clayey alluvium over sand in abandoned braided channels (Figure 9). This is the location of the old bayou that the local inhabitants of the area remember fishing in. The flat, even nature of the field indicates that the bayou was filled in, probably with soils from the area east of the present Ditch 19. The landowner, Mr. Joe Williams, confirmed that this area has been land-leveled. The edge of the bayou was originally about 90 m east of the present ditch and, therefore, well outside the project area. Just east of the ditch and outside of the project area were Gideon Loam and Farrenburg Fine Sandy Loam. These are levee soils and are probably the original location of the site before land-leveling. Three control columns produced no evidence of subsurface deposits in the project right-of-way (Figure 10). One shovel test excavated outside of the impact zone in the natural levee soils produced a tested cobble. The site is approximately 3/4 mile east of Crowley's Ridge.

The proposed project calls for the deepening and widening of Ditch 19. Since the site is actually located on the Gideon and Farrenburg soils, then the improvements on Ditch 19 would not harm the site, especially if done from the west side.

Investigations were carried out at the site over the period of half a day by six persons. The investigations included the surface collection of 603 square meters of surface area, excavation of four control columns, visual inspection of the east bank of Ditch 19, and mapping of the site.

Controlled Surface Collections: The soil was saturated. This did not impede walking because of the dense grass growing on the site. The small drainage ditch was collected in 6 m long sections along its length (402 m, Figure 11). The ditch, along with its backdirt pile, was 1.5 m wide. Visibility of the ditch and its backdirt pile was 100%.

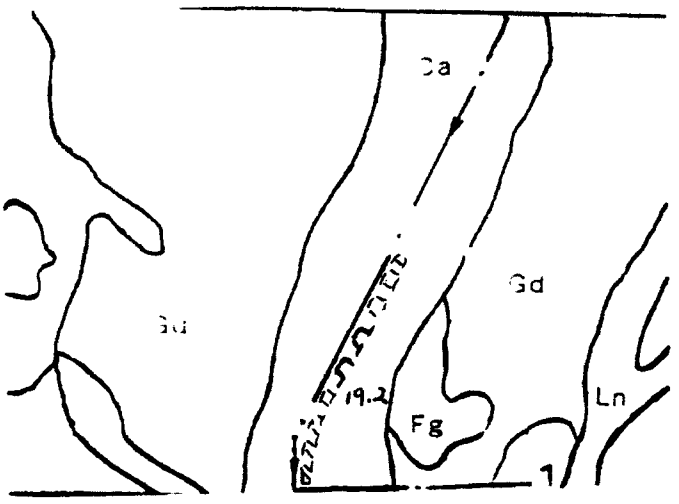


Figure 9. Soil map for site 23DU285.

The grid was oriented to magnetic north, with the collection units were set up along the drainage ditch. An arbitrary point was designated 300N 50E. Collection units were called CSCs and numbered from 15-81 consecutively. The southwest corner of CSC 50 was 300N 50E. The collection units were mapped in relation to other features and the permanent datum at the site.

Four Late Wocdland sand-tempered Barnes sherds were found on the site. Three were near the center of the site and one was found in the southern end of the site. No diagnostic lithics were found. Barnes is the only identified occupation of the site.

Control Columns: The soil was saturated at the site. The soil was clayey enough and wet enough that it would not go through the screens. The soil from the control columns was cut through carefully with a trowel and visually inspected for the presence of cultural material.

Four control columns were excavated at the site. These measured 30 cm x 30 cm and were excavated to varying depths. The columns are discussed in order from the ditch east toward the higher ground.

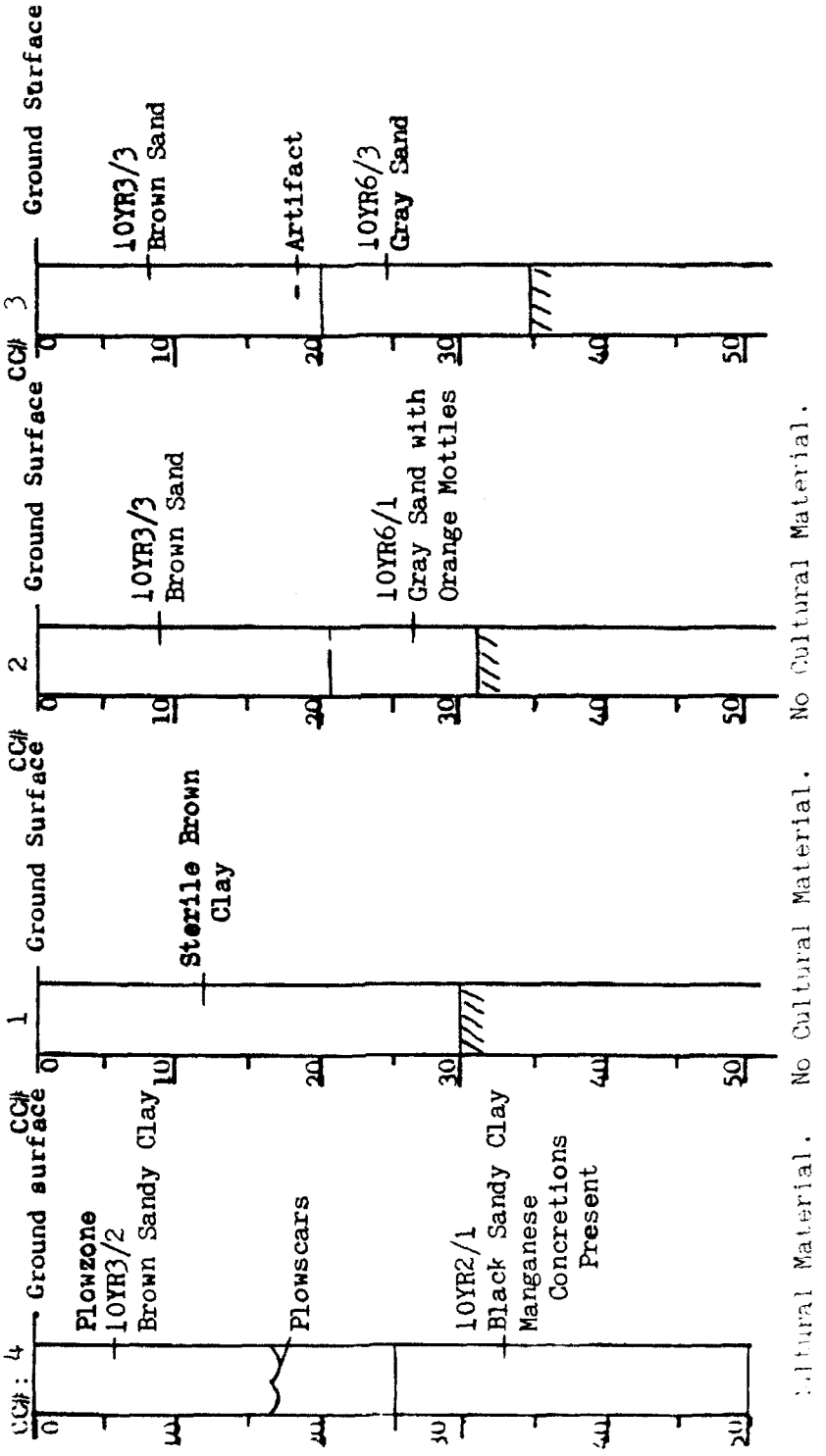


Figure 10. Profiles of control columns from 23DU285.

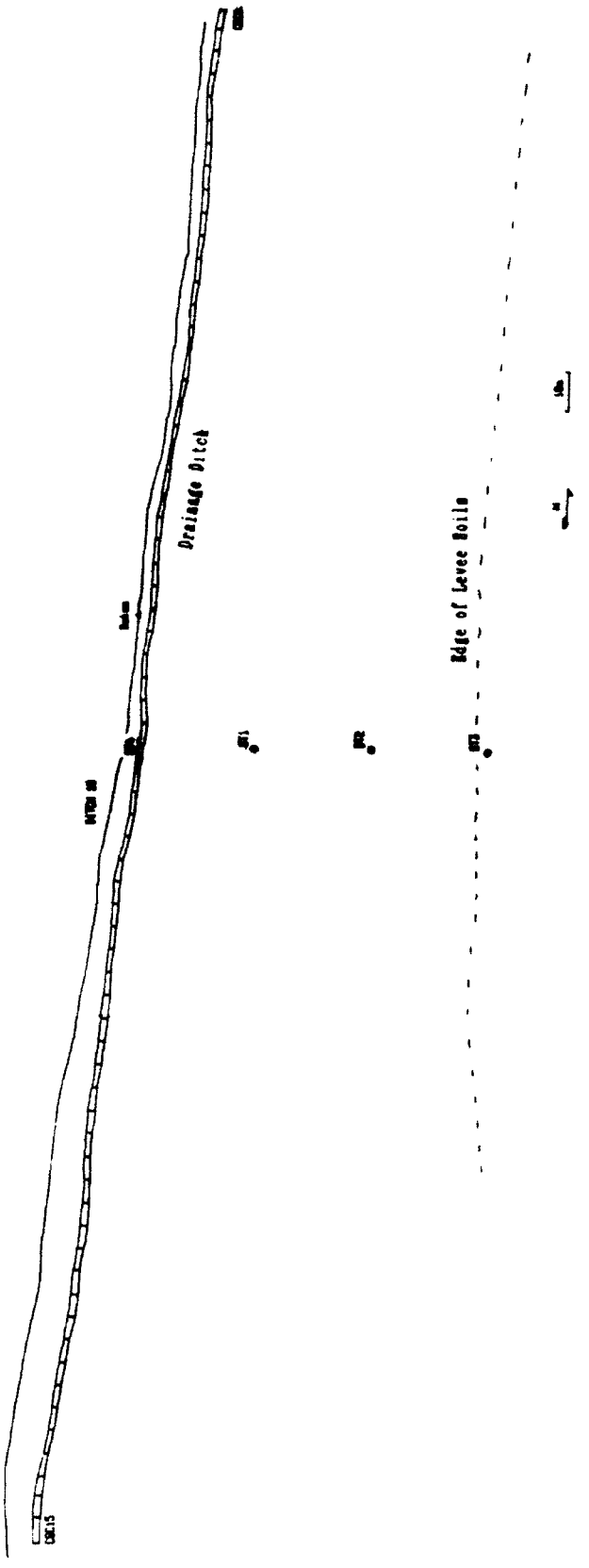


Figure 11. 23DU285 site map.

CC4 was located at 297N 50E in the center of the small drainage ditch. From 0-25 cm BS was a 10YR3/2 very dark grayish brown sandy plowzone. Plowscars were noted at ca. 18 cm BS. From 25-50 cm BS was a 10YR2/1 black sandy clay containing manganese concretions (Figure 10). This was a very sticky clay with macroscopically visible sand particles. It was much too sticky to have any significant quantity of silt and was therefore not a loam. No B horizon was noted in this CC, indicating that the soil had not been in this location long enough for one to form. No artifacts were found in CC4.

CC1 was located at 300N 80E. This CC was excavated to 30 cm BS and consisted of a sterile brown clay throughout. Once again, no B horizon was noted, indicating that these soils are very recent to this location.

CC2 was located at 300N 110E and had a 10YR3/3 dark brown sand from 1-22 cm BS. From 22-32 cm BS was a 10YR6/1 light gray sand with orange mottles. The stratigraphy of the soils in this CC indicate that these soils have been here for quite some time in order to form a structure. No artifacts were found in the CC2.

CC3 was located at 300N 140E. From 0-20 cm BS was a dark brown sand. From 20-30 cm BS was a 10YR6/3 gray sand. This CC also exhibited a profile indicating sufficient age for the development of soil structure. A tested cobble was found at approximately 18 cm BS. This CC is located 94.2 m east of Ditch 19 and is 34 m east of the project's right-of-way.

Bank of Ditch 19: The east bank of Ditch 19 was scraped and visually inspected for signs of cultural occupation. No evidence of archeological deposits was found in the uniform gray clays.

In summary, no subsurface archeological deposits were found within the project right-of-way. The land owner said the site had been land-leveled, which was confirmed by the control columns. The control columns indicated that the impact zone was at one time covered with standing water. The discontinuous nature of the artifact scatter also is not characteristic of prehistoric archeological site. Therefore, all evidence indicates that the site is not located in the impact area.

Proposed Site Function and Cultural Affiliation

The only diagnostic artifacts found at this location were Late Woodland Barnes Plain and Cordmarked sand-tempered sherds. The only other artifacts found were lithic reduction debris, mainly early stage decortication flakes and cores.

Site Significance

The artifacts within the impact zone do not represent a site originally located in the area. The site is actually located 90 m east of Ditch 19 (30 m east of the project right-of-way). The artifacts within the project right-of-way were transported, are very sparsely scattered, and therefore are not significant. If work is planned in the future that would impact the area of the original site location, this should be tested for significance. The artifacts in the project right-of-way do not indicate a site in this location and are therefore not eligible for nomination to the NRHP.

Project Impacts

The project calls for deepening and widening Ditch 19 in this location. Since the actual site is located outside of the impact zone, it will not be damaged by the proposed improvements of Ditch 19.

Recommendations

No further archeological work is recommended at 23DU285.

23DU286

Description

This site consists of a very light scatter of prehistoric lithics and ceramics located on both sides of Lateral Ditch No. 1 (Figure 12). Diagnostic artifacts date to the Late Woodland and Early Mississippi periods. The site is located on Sikeston Loam and Canalou Loamy Fine Sand. Sikeston Loam is a deep, poorly drained soil with a moderately slow permeability. This soil is formed in alluvium in depressional channels and basins. Canalou Loamy Fine Sand is a deep, moderately well-drained soil formed on ridges and drains of natural levees in sandy and loamy alluvium. The site measures 102 m E-W and 48 m N-S. It is bisected by Lateral No. 1 and is located approximately one mile east of Crowley's Ridge.

The 1 m x 1 m test unit was dug adjacent to Lateral No. 1 and happened to be located right on top of a prehistoric pit, thus documenting that intact subsurface features do, indeed, exist on the site.

The proposed project calls for deepening and widening Lateral No. 1 at this location. This action will definitely impact the site.

Investigations were carried out at the site over a period of half a day. Investigations included surface collection of 5184 square meters of 6 m x 6 m CSC units, excavation of a 1 m x 1 m test unit, collection of flotation samples from Feature 1, and mapping of the site.

Controlled Surface Collection: The soil was moist, but not saturated when the collection was made, affording excellent surface contrast. The field had been harvested, plowed, and rained on making surface visibility excellent (95-100%).

The site grid was oriented to magnetic north. An arbitrary point was designated 100N 100E and all units were assigned coordinates according to their southwest corners' distances from 100N 100E. A permanent datum was established and mapped in relation to the collection units and the 1 m x 1 m test unit.

Late Woodland Barnes sand-tempered Plain and Cordmarked sherds were spread fairly evenly throughout the site. There was one shell and sand-

tempered sherd located in unit 100N 70E, the same unit in which the 1 m x 1 m test unit was located. No diagnostic lithics were found at the site.

1 m x 1 m Test Unit: The 1 m x 1 m test unit was situated in an area where the artifact density was visually determined to be greatest. This was 104N 77E. Its purpose was to determine the depth and nature of the subsurface deposits at 23DU286.

The spoil dirt was first removed from the surface of the unit and discarded. Then excavation was begun in arbitrary 10 cm levels, each of which was screened in a 1/4" mesh shaker screen. In the level from 30-40 cm BS, a Mississippian shell-tempered sherd was recovered. From 40-50 cm BS, a shell-tempered and a Late Woodland Barnes sherd were recovered. At 50 cm BS, it was discovered that the test unit was located in a prehistoric feature. Four flotation samples were taken from the feature (Feature 1). Flotation Sample No. 1 was a 25 cm x 25 cm column taken out of the northern edge of the feature (Figure 13). This sample contained prehistoric flakes, glass, mortar, and wood charcoal. This sample was taken from the outer portion of the feature at the edge of Lateral No. 1. The historic artifacts found in it were part of the historic garbage spread throughout the fields in this area. It is a common practice for farmers to plow garbage into their fields. These artifacts had washed from above and adhered to the sides of the ditch. The bank was then cut back and additional flotation samples were taken from the center of the feature. Flotation Sample No. 2 was a 25 cm x 25 cm x 10 cm sample taken from the center of Feature 1. This sample contained prehistoric flakes and wood charcoal. Flotation Sample No. 3 was the same size as No. 2 and taken from beneath the latter. This sample contained prehistoric flakes, wood charcoal, and fire-cracked rock. Flotation Sample No. 4 was taken from beneath No. 3 and was also 25 cm x 25 cm x 10 cm. This sample contained wood charcoal and prehistoric flakes.

Proposed Site Function and Cultural Affiliation

The main occupation of the 23DU86 appears to have been Late Woodland Barnes, with a later, less intense occupation during the Mississippi period. The presence of a pit and pottery indicates that this site had more than a one season domestic occupation. The lithic debris, mainly from Crowley's Ridge gravels indicates a major function was lithic reduction.

Site Significance

The presence of Barnes ceramics indicate that this site may provide valuable information on this culture in the Malden Plain. The subsurface features indicate that the site may contain valuable subsistence information about the culture that dug the pits. This site contains intact deposits and has data classes which can be used to answer current research questions. Therefore, 23DU286 meets NRHP criteria for significance and is considered eligible for nomination to the NRHP.

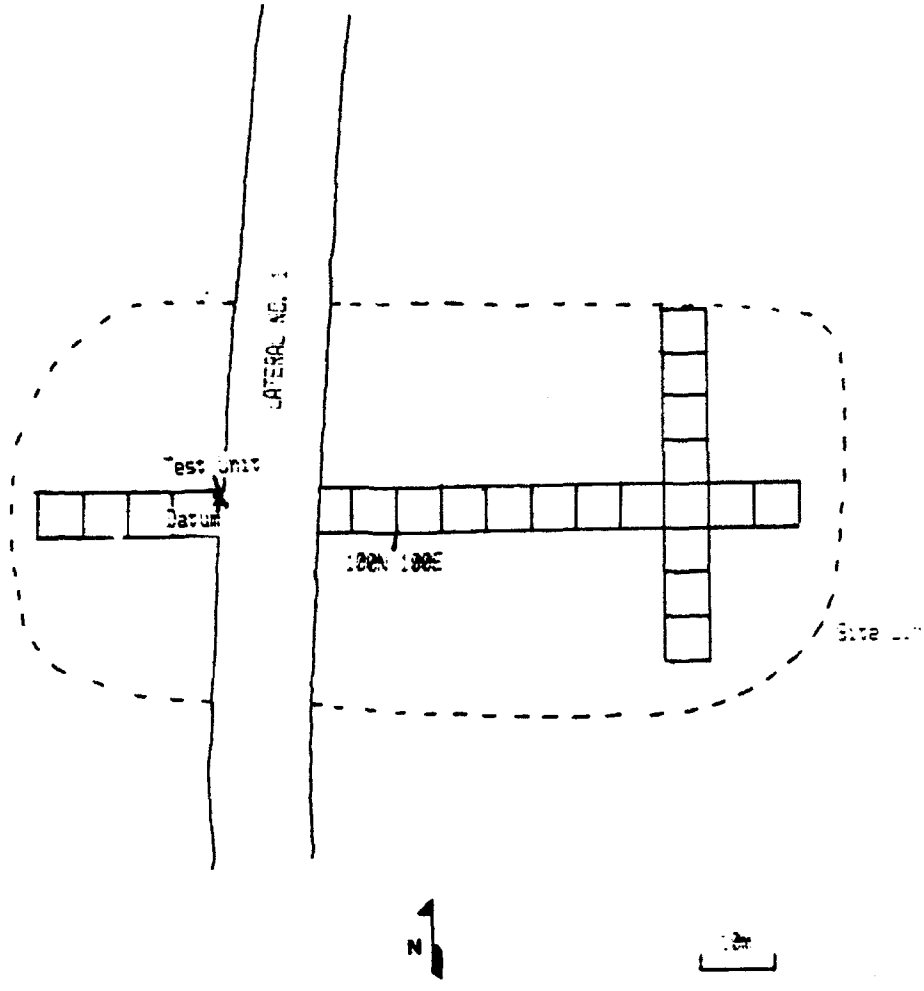


Figure 12. 23DU286, site map.

Project Impacts

Deepening and widening Lateral No. 1 will adversely impact the 23DU286 The feature found during this project was at the edge of the ditch and others also may be located this close to the ditch. Roughly 78% of the site is located inside the direct impact zone of the present project.

Recommendations

MCRA recommends mitigation, by data recovery, of the impact to 23DU286.

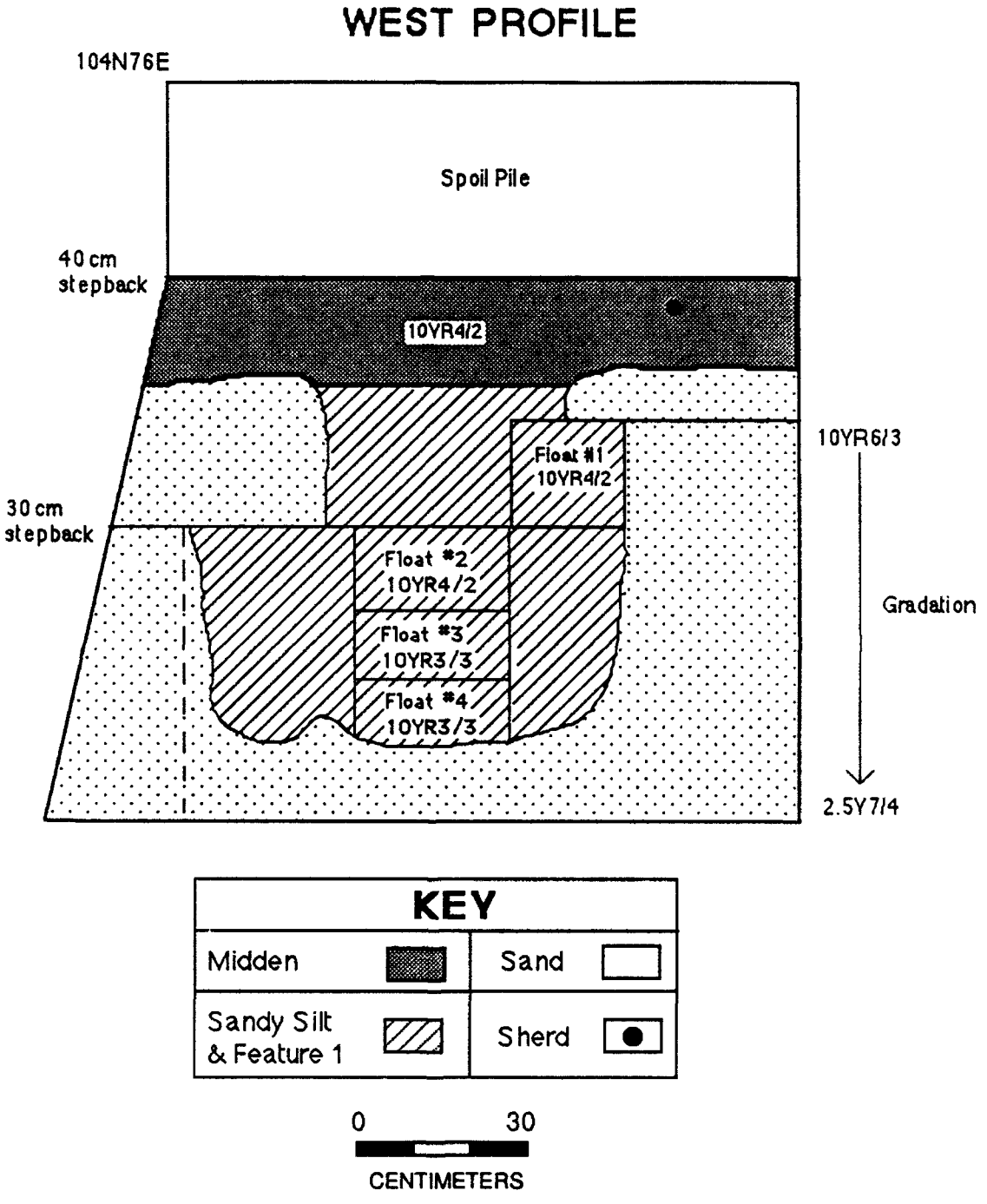


Figure 13. 23DU286, Test Unit 1.

Description

23DU287 was located in the 25 acre field to be sold by the Corps of Engineers into private ownership. This site consisted of a light scatter of prehistoric lithics and ceramics located entirely on the spoil pile from recent improvements to Ditch 19 (Figure 14). The spoil pile measured 23 m in width from east-west and 120 m in length from north-south. Artifacts were found on both sides of Ditch 19. The recent improvements had been done only on the east side of the ditch. It was from here that the spoil pile and consequently the artifacts had come. The site is situated on what is mapped as Sharkey Clay but touching Sikeston Loam, both channel fill soils.

Due to the height of the spoil pile (5-6 m), no 1 m x 1 m test unit was dug into it. Due to the absence of artifacts in the field adjacent to the spoil pile (see Survey Methods), no 1 m x 1 m test unit was dug in the field. Instead, three control columns were excavated off the spoil pile to determine if there was any evidence of cultural occupation there. None was found.

In 1981, Charles LeeDecker surveyed the area prior to recent improvements to Ditch 19. Surface visibility may have been poor at the time he surveyed and the artifact scatter is sufficiently light that shovel testing may not have found the site. LeeDecker makes no mention of visibility or survey methods in this particular area, so it is impossible to know how the site was missed and subsequently damaged by Ditch 19 improvements. The present project calls for selling 25 acres west of Ditch 19 at this site back into private hands.

Investigations were carried out at the site over a period of half a day. The investigations included the surface collection of 2760 square meters of 23 m x 10 m units, the excavation of .12 cubic meters of dirt, and mapping of the site.

Controlled Surface Collections: Since the artifacts on the spoil pile were definitely brought in from somewhere along the other eastern bank of Ditch 19, a careful controlled surface collection would provide no valuable information. Therefore, the 23 m wide spoil pile was divided into 10 m sections and collected. Diagnostic artifacts included four Barnes sand-tempered sherds, two unidentified dart points, and a scraper on what was once a dart point (Dalton). The area had been plowed and rained on a number of times. Surface visibility was 100%.

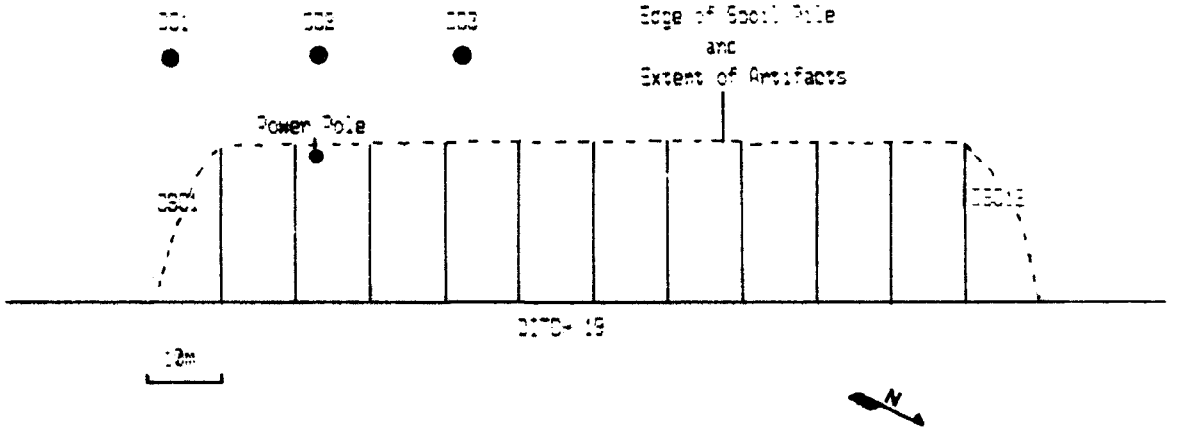


Figure 14. 23DU287 site map.

The site grid was established parallel to Ditch 19. The 10 m collection sections were designated CSCs 1-13. A map of this area in relation to other features of the site is shown in Figure 14.

Control Columns: The control columns were placed 12 m west of the edge of the spoil pile and excavated to depths of at least 50 cm. They were distanced 30 m apart. Soil from the control columns was screened through a 1/4" mesh shaker screen.

CC1 had 25 cm of 10YR3/3 brown sand overlying 25 cm of 10YR6/3 gray sand mottled with 7.5YR5/6 strong brown sand (Figure 15). No artifacts were recovered. CC2 had a profile identical to that of CC1. CC3 had a 10YR3/3 brown sandy plowzone to 15 cm BS overlying a 10YR3/3 brown sand with manganese concretions from 15-36 cm BS. From 36-49 cm BS was a 5Y4/1 gray sandy clay mottled with orange. No artifacts were found in any of the control columns.

These three profiles indicate that the soil has developed in situ and the gray B horizon is characteristic of periodically standing water. This is a well developed soil horizon but is not typical of either the Sikeston Loam or Sharkey Clay Loam which the site is supposed to be situated on. It appears to be an erosional remnant of Steely Soil (relict braided surface soils) which occur in unmapped patches in the Sharkey associations. The soil profiles are similar to hundreds of others on the relict braided surface which one author (Robert H. Lafferty, III) has observed over the past five years. Therefore, there is every reason to expect that any Holocene site should be manifest on the surface, which it is not.

Profile of East Side of Ditch 19: Due to heavy vegetation and slumping of the west bank of Ditch 19, a profile was cut into the recently cut, vegetation-free east bank of the ditch. A sketch was made of the profile of the eastern bank of Ditch 19 (Figure 16). The profile consisted of 10YR5/2 sand to 40 cm BS. From 40-90 cm BS was a 10YR3.5/2 sand with some clay. From 90-160 cm BS was a 10YR5/1 sandy clay with orange mottles that became larger with greater depth. From 160-210 cm BS was 10YR3.5/1 gray sandy clay mottled with 10YR5/1 lighter gray and bright orange. From 210-240 cm BS was a 7.5YR5/8 bright orange sand. From 240-260 cm BS was a 2.5Y7/2 light gray sand with orange bands and cannel coal. Artifacts were found only in the top 40 cm which was spoil pile.

In summary, very little of this site could possible exist west of Ditch 19 at this location. At the very most, 23 m may remain under the spoil pile. It is our belief that the site was almost totally destroyed by initial construction and later improvements to Ditch 19.

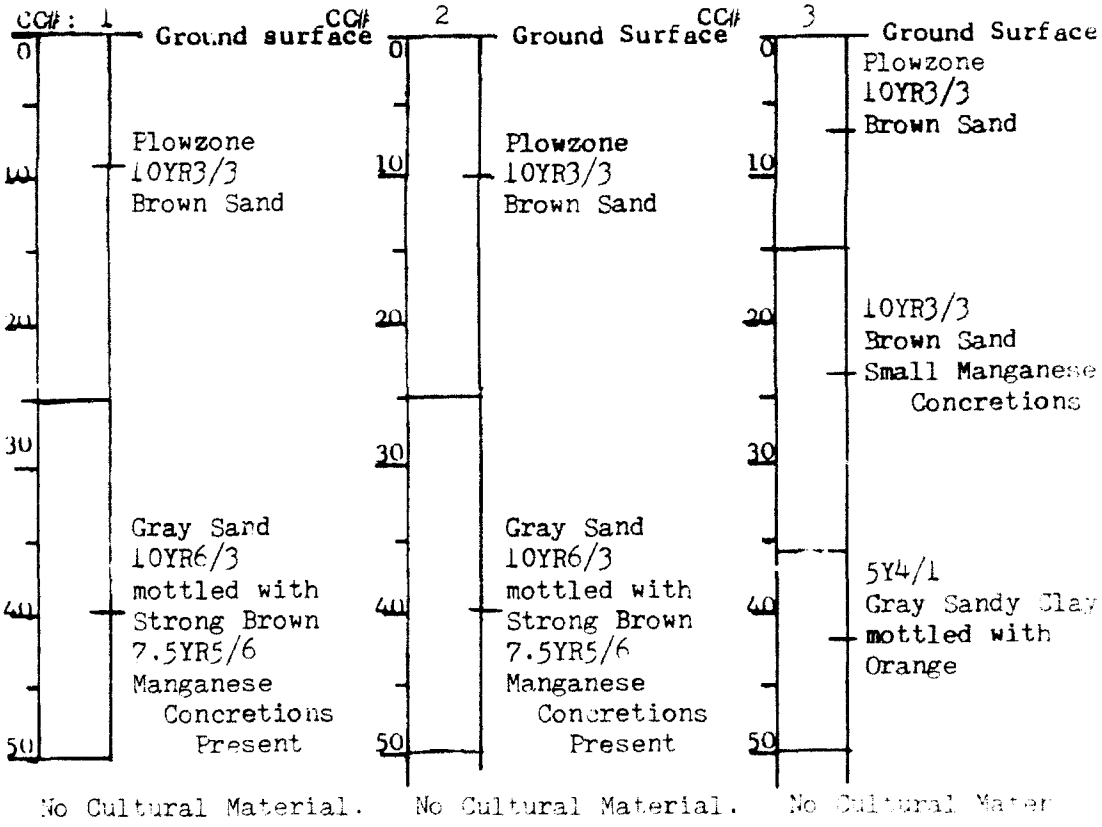


Figure 15. Profiles of control columns from site 23DU287.

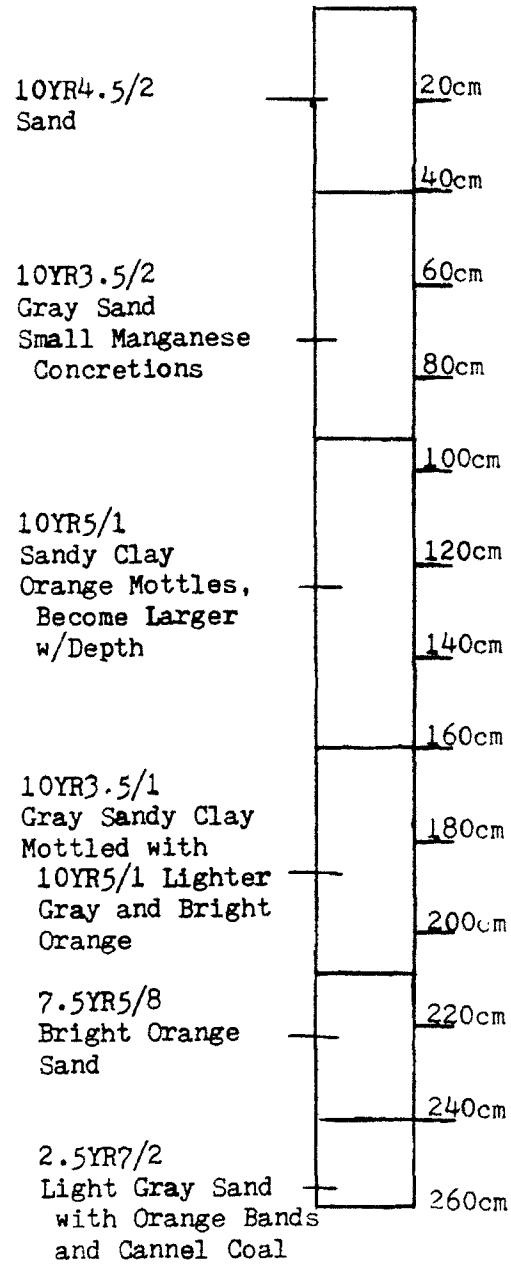


Figure 16. Profile of east side of Ditch 19 at site 23DU287.

Proposed Site Function and Cultural Affiliation

Artifacts were recovered dating to the Late Woodland Barnes culture and the Early Archaic or Late Paleo-Indian Dalton Complex. One arrow point fragment suggests a Mississippi period component. The remainder of the assemblage is lithic reduction debris.

Site Significance

The site has been almost totally destroyed by construction and improvements of Ditch 19. It is not significant in terms of NRHP criteria and therefore is not eligible for nomination to the NRHP.

Project Impacts

This area is to be sold by the U.S. Army Corps of Engineers into private ownership. Since the site has already been destroyed, this sale will not affect its integrity.

Recommendations

We recommend no further archeological work at 23DU287.

23DU288

Description

23DU288 consists of a very light scatter of prehistoric lithics and late Woodland Barnes sand-tempered ceramics (Figure 17). The artifacts were found on a small sandy patch of soil amid Gideon Loam. The site is located approximately 1/2 mile east of Crowley's Ridge. 23DU288 measures 84 m N-S by 30 m E-W. It lies 4 m east of Ditch 19.

A 1 m x 1 m test unit revealed that all artifacts are located in the plowzone. No undisturbed midden or subsurface features were discovered. The site may have been land-leveled.

The proposed project calls for deepening and widening of Ditch 19. The site lies entirely within the 60 m (200 ft) impact zone and would be damaged should improvements to Ditch 19 be conducted on the east side of the ditch.

Investigations were carried out over half a day by two persons. Investigations included a controlled surface collection, excavation of a 1 m x 1 m test unit, and mapping of the site.

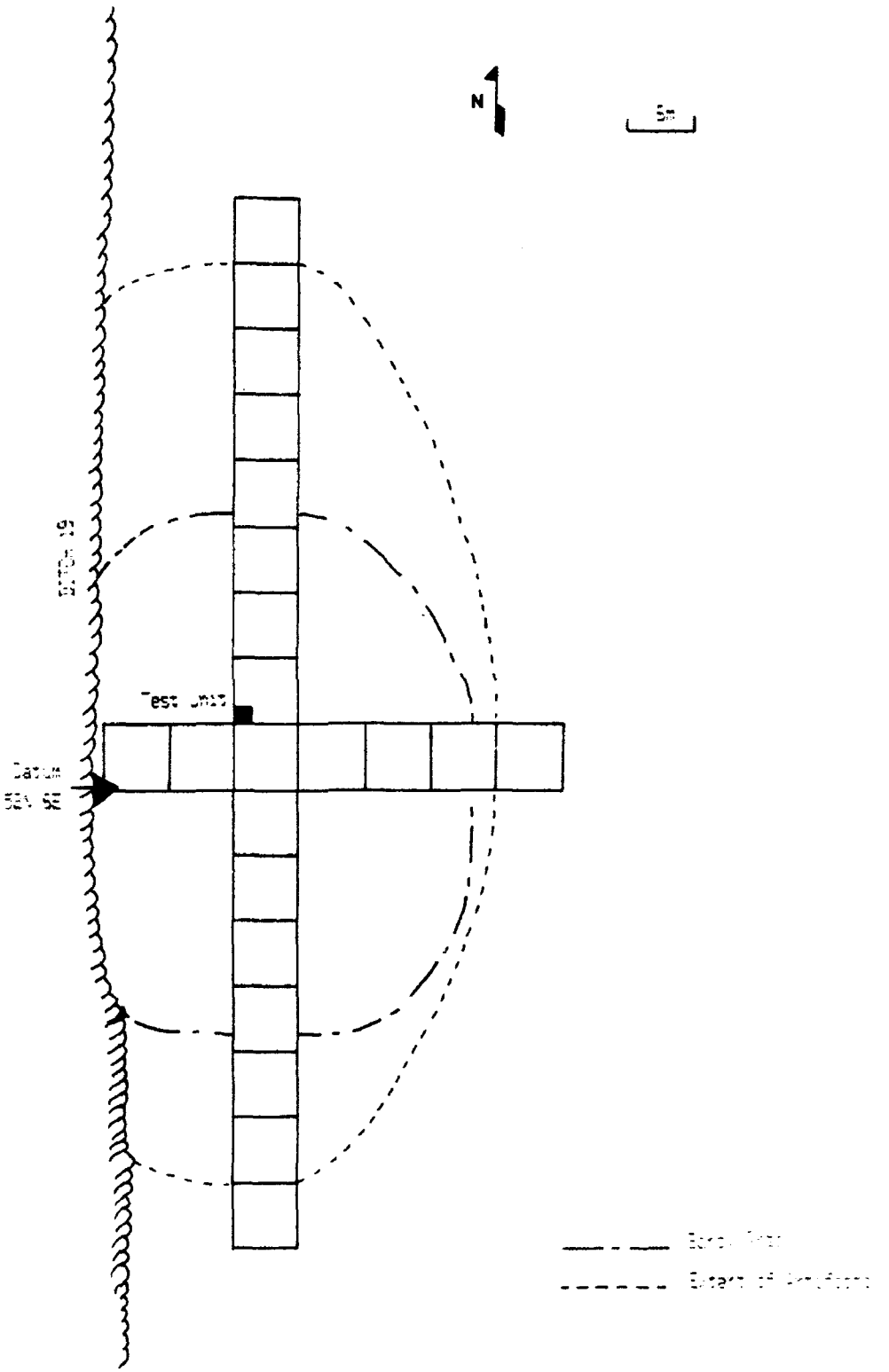


Figure 17. 23DC288, site map.

Controlled Surface Collection: The soil was moist, but the sandy area of the site was drier than the surrounding soil. The field had been harvested and surface visibility was excellent (90-100%).

The surface collection grid was oriented to magnetic north. An arbitrary point was assigned the coordinates 58N 6E and set as a datum. Units were assigned coordinates according to their southwest corners' distances from the datum. The collection area was mapped in relation to other characteristics of the site.

The only diagnostic artifacts found on the surface of the site included two Barnes sand-tempered sherds. These were in units that were 36 m apart. The artifacts were sparsely scattered over the site with no distinct concentrations.

1 m x 1 m Test Unit: The 1 m x 1 m test unit was excavated in the approximate center of the site. This area was visually determined to have the densest concentration of artifacts. Its purpose was to determine the depth and nature of subsurface deposits.

Excavation of this test unit revealed a 10YR4/4 yellowish brown plowzone to 25 cm BS (Figure 18). This level contained prehistoric lithics and one sand-tempered sherd. From 25-65 cm BS was a 10YR7/2 light gray fine sand containing iron concretions but no artifacts. This level became siltier toward the bottom.

In summary, artifact density was very low, no intact subsurface deposits were noted, and the site is very small.

Proposed Site Function and Cultural Affiliation

The only diagnostic artifacts were Barnes sand-tempered sherds dating to the Woodland period. There were only three of these. The site was probably lightly used during the Late Woodland and may have been visited by other prehistoric peoples, but there is no evidence that it was ever used heavily.

Site Significance

Due to the lack of intact subsurface deposits and the paucity of artifacts, this site is not considered to contain valuable information of any period of history or prehistory. This site is not significant in terms of the NRHP criteria and therefore not eligible for nomination to the NRHP.

Proposed Impacts

The site is located entirely within the direct impact zone and will be damage if improvements to Ditch 19 occur east of the ditch.

Recommendations

We recommend no further archeological work at this 23DU288.

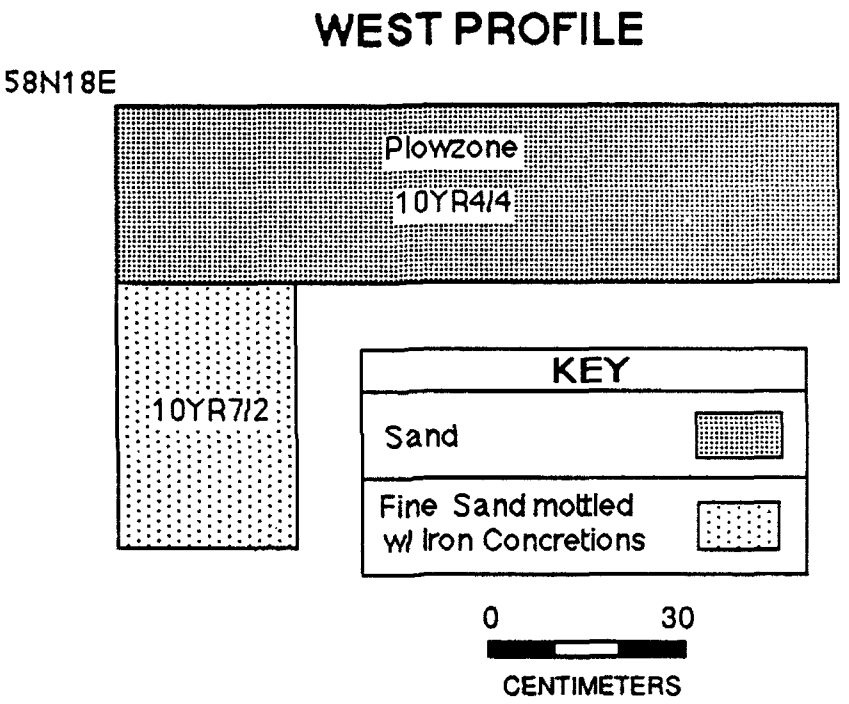


Figure 18. 23DU288, Test Unit 1.

23DU289

Description

23DU289 is a dense scatter of prehistoric lithics located on both sides of Ditch 19 (Figure 19). Artifacts dated to the Late Archaic, Late Woodland (Barnes), and Mississippi periods. Measuring approximately 650 m from southwest to northeast by 100 m from northwest to southeast, the site is located on Gideon Silt Loam, which is adjacent to the old bayou. The site is approximately 100 m wide along the western bank of the old bayou. The area east of Ditch 19 has been land-leveled since construction of Ditch 19, and no topographic evidence remains of the old bayou. 23DU289 is approximately 3/4 mile east of Crowley's Ridge.

There were two slight rises (.5 m) on the portion of the site west of Ditch 19. A 1 m x 1 m test unit was excavated in the southernmost rise. This unit revealed an undisturbed midden from 12-58 cm BS. In May of 1988 five additional test units were excavated on the east side of Ditch 19. Three of these were excavated through the spoil pile and two were excavated to further define the nature of the site.

The proposed project calls for the deepening and widening of Ditch 19. Approximately 50 m of the center of the site was destroyed by initial construction of the ditch. Improvement of Ditch 19 would further damage the site and may destroy valuable information about the prehistory of this area.

Investigations were carried out at 23DU289 over a period of two days by six persons in the Spring of 1987. These investigations included controlled surface collections, excavation of a 1 m x 1 m test unit, profiling of a lateral drainage ditch, and mapping of the site. In May 1988 five additional test units were excavated. These test units indicated that the site is preserved under the spoil pile, but outside of the impact zone it has been land-leveled away.

Controlled Surface Collections: East of Ditch 19, the soil was saturated and walking was difficult because the soil was extremely attracted to shoes. West of Ditch 19, the soil was drier and the walking was easier. East of Ditch 19, a grid was set up and designated as the CSC east. An arbitrary point was assigned the coordinates 200N 100E and mapped into a permanent datum. A total of 225 6 m x 6 m units were set up on magnetic north and east. Units were identified according to the north and east coordinates of their southwest corners.

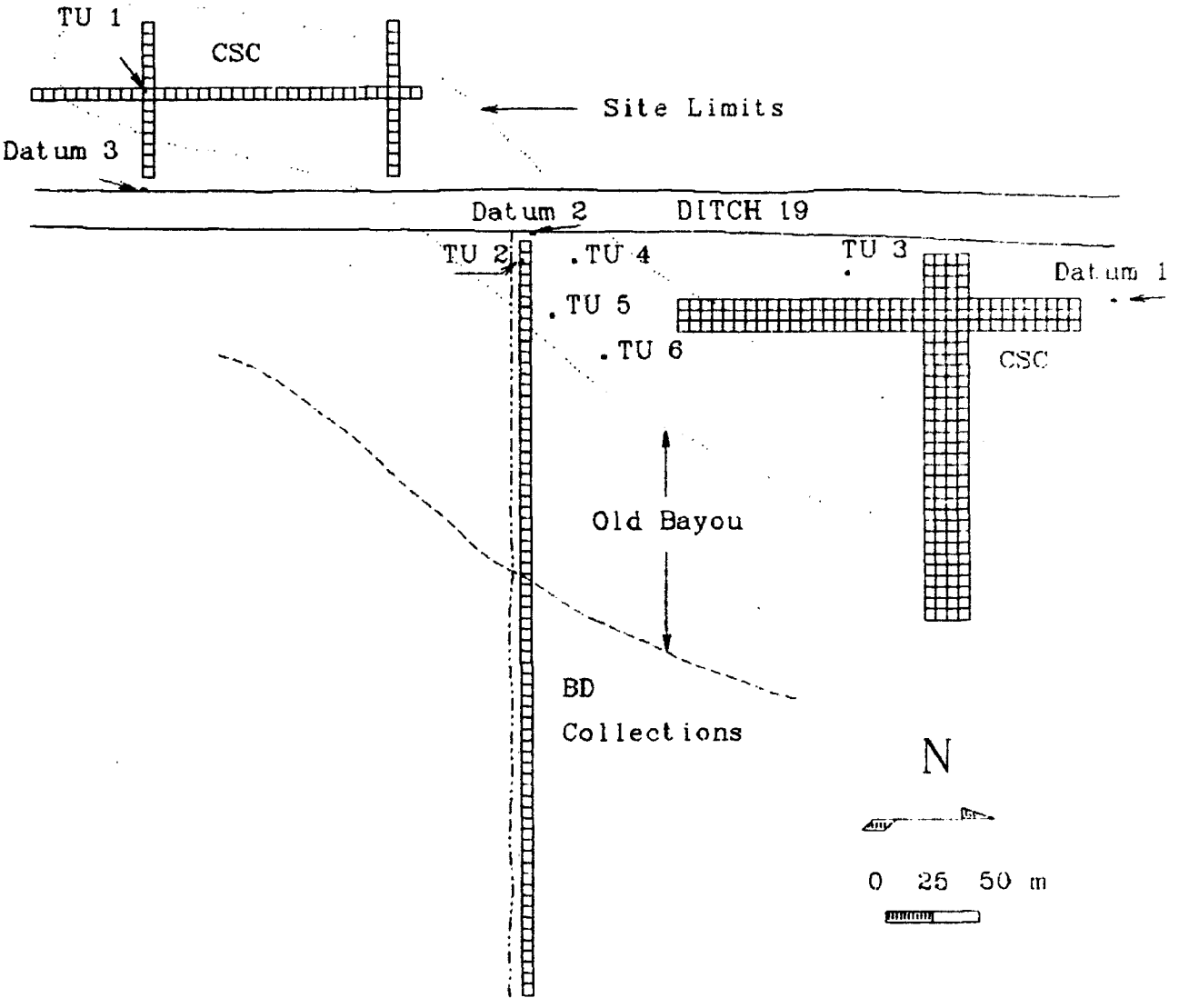


Figure 19. 23DU289, site map.

Diagnostic artifacts from this area dated to the Late Woodland and the Late Archaic periods. Six Barnes sand-tempered sherds were found and three indeterminate Woodland dart points. One Delhi point dating to the Late Archaic was found. Delhi points are typically associated with the Poverty Point Culture dating from 1300 B.C. to 200 B.C. (Perino 1987:22).

At the southern edge of the site east of Ditch 19 was a lateral ditch running perpendicular to Ditch 19. The lateral had recently been cleaned out and the backdirt pile contained artifacts. The backdirt pile was 4.5 m wide and was collected in 6 m long units running east-west. Sixty-eight units were numbered from west to east as Backdirt (BD) 1-403, the numbers being the distance in meters of the units' southwest corners from and arbitrary zero point. This point was tied into a permanent datum and mapped accordingly.

At the time the surface collection was conducted, the site was thought to be continuous along the length of the field lateral because of the continuous nature of the artifact content. Subsequent examination of the Dunklin County soil maps show that the old bayou cuts through the center of the collection area (Figure 20). BDs 1-25 are actually part of site 23DU289. BDs 31-187 are located in the old bayou. BDs 193-403 are east of the old bayou and can be considered a separate site from 23DU289. The location of artifacts within the old bayou is due to land-leveling. These artifacts are probably a mixture from 23DU289 and the site east of the bayou.

No diagnostic artifacts were found in the area of the BDs that are definitely part of 23DU289. Diagnostic artifacts found within the old bayou include shell-tempered Mississippian sherds and sand-tempered Late Woodland sherds attributable to the Barnes culture. Diagnostic artifacts from the site east of the bayou include Late Woodland sand-tempered Barnes sherds.

West of Ditch 19, 61 6 m x 6 m collection units were established running N-S and E-W. These units were set up to dissect both of the small (.5 m) rises located on this side of Ditch 19. A point on the southernmost rise was arbitrarily assigned the coordinates 100N 100E, tied into a permanent datum and mapped. Units were identified according to the North and East coordinates of their southwest corners.

Diagnostic artifacts from these units included Barnes phase Late Woodland sand-tempered sherds and three shell-tempered sherds. One Barnes sherd and one indeterminate dart point were found on the northernmost rise. Three dart points, one arrow point, many Barnes sherds, and three Mississippian shell-tempered sherds were found on the southernmost rise. This appears to be the hot spot of the site.

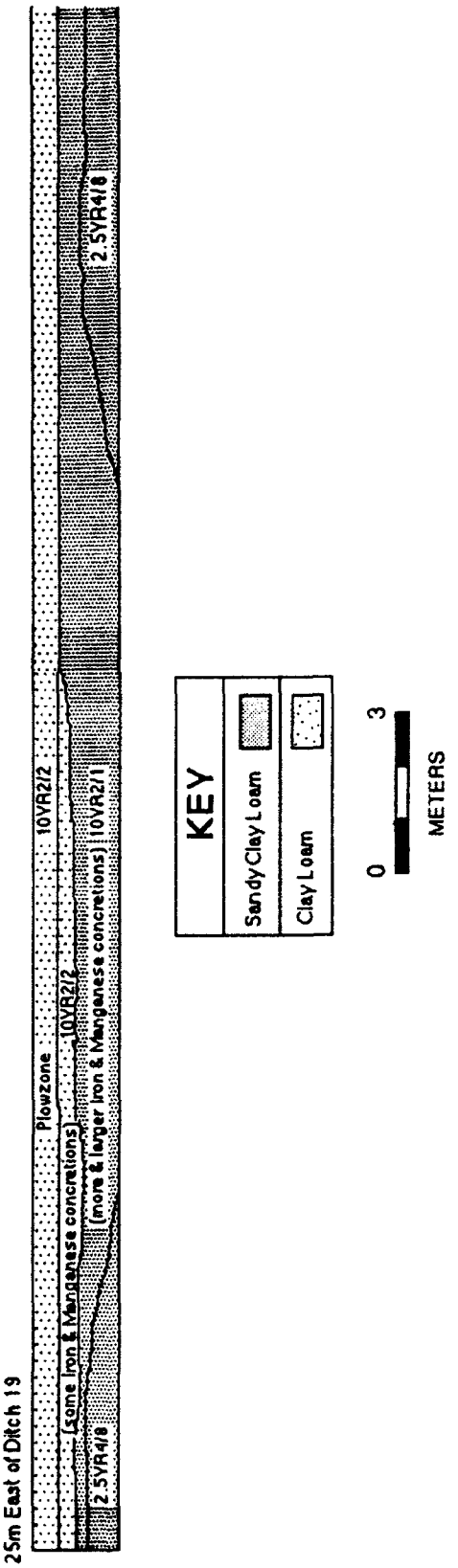


Figure 20. 23DU289, east ditch profile of old bayou.

Field Lateral Profile: The northern bank of the field lateral east of Ditch 19 was scraped back and profiled (Figure 20). This profile exhibited 35-40 cm of a homogeneous black sandy clay plowzone overlying 30 cm of black sandy clay with many small concretions. Underlying this was an orange sandy clay with the same texture as the above soil, but less concretions. The orange soil continued to the bottom of the lateral (150 cm BS). The southern bank was also scraped back and visually examined. This profile exhibited a blocky black clay with homogeneous color and texture down to the bottom of the lateral (150 cm BS). No artifacts were found in the southern profile or in the field south of the lateral.

1 m x 1 m Test Units

Test Unit 1 was opened west of Ditch 19. The 1 m x 1 m test unit, with its southwest corner at 94N 94E, was excavated to a depth of 70 cm BS (Figure 21). The test unit was placed in this location because it was the approximate center of the southernmost rise west of Ditch 19. This rise was visually determined to have the densest concentration of artifacts. The unit was excavated in arbitrary 10 cm levels within natural levels. Excavation revealed plowzone from 0-13 cm BS. This was a 10YR3/3 dark brown silty sand producing artifacts dating to the Late Woodland and Mississippi periods (Appendix A). From 13 cm BS to 38 cm BS was a 10YR2/2 very dark brown silty sandy midden. This level produced artifacts dating to Late Woodland and Mississippi periods. The level also contained fired clay, carbon, and calcined bone. From 38-58 cm BS was a 10YR2/2 very dark brown silty sandy midden mottled with 10YR5/1 gray sand. This level contained prehistoric lithics, carbon, calcined bone, and one Barnes Cordmarked sand-tempered sherd that dates to the Late Woodland period. From 58-70 cm BS was a 10YR2/2 very dark brown sand mottled with 10YR5/1 gray sand and streaked with 10YR4/4 yellowish brown clayey sand. This level contained one sand-tempered Barnes sherd, a piece of calcined bone, a few flakes, and some fire-cracked rock. These artifacts probably came out of the root molds located in this level. A 30 cm x 30 cm section in the southwest corner of the unit was excavated down to 110 cm BS. From 70-90 cm BS was a 10YR4/4 yellowish brown clayey sand mottled with 10YR5/1 gray clay and containing no artifacts. From 98-110 cm BS was 10YR5/1 gray sterile clay.

Test Unit 2 was located east of Ditch 19, on the spoil pile at 309N 199E (Figure 19). It was positioned in the most likely area to encounter the intact site, which it did. This 1 m x 1 m unit was excavated to a depth of 80 cm and then a post hole was excavated to a depth of 105 cm BS. The plowzone and spoil pile were excavated as natural levels, and the underlying intact soils were excavated in 10 cm levels.

The plowzone (Figure 22) was 20-25 cm thick and composed of brown (10YR4/4) sand. North-south plowscars were 20 cm apart at the bottom of the plowzone. Below the plowzone was a 5 cm thick mottled sandy loam zone. This was underlain by spoil pile deposits. The spoil was dark brown (10YR4/2) sandy loam mottled with large (10-20 cm) chunks of yellowish (10YR6/8) sand lenses. Between 40-50 cm BS the dark reddish brown (5YR3/3) silt loam midden appeared. This was 20 cm thick and was underlain by a mottled dark grayish brown (10YR4/2) silty loam with lower artifact densities. The B horizon was a yellowish red (5YR4/6) clay mottled with pale brown (10YR6/3) clay. No cultural material was recovered from the B horizon.

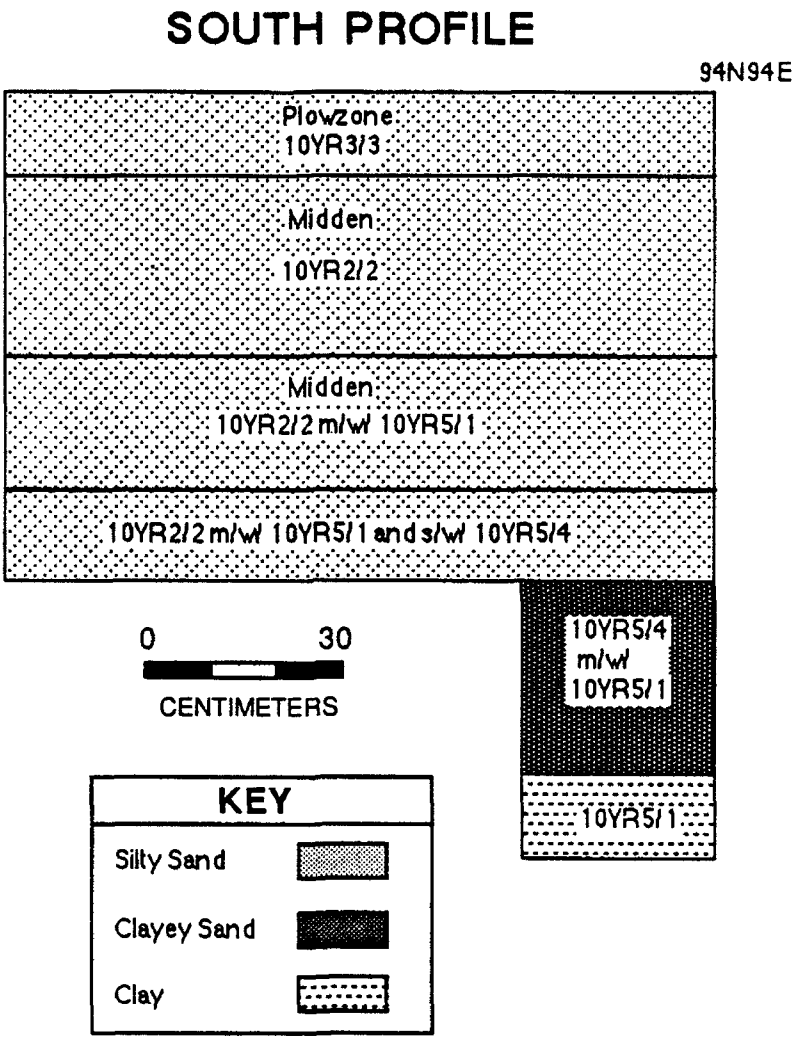


Figure 21. 23DU289, Test Unit 1.

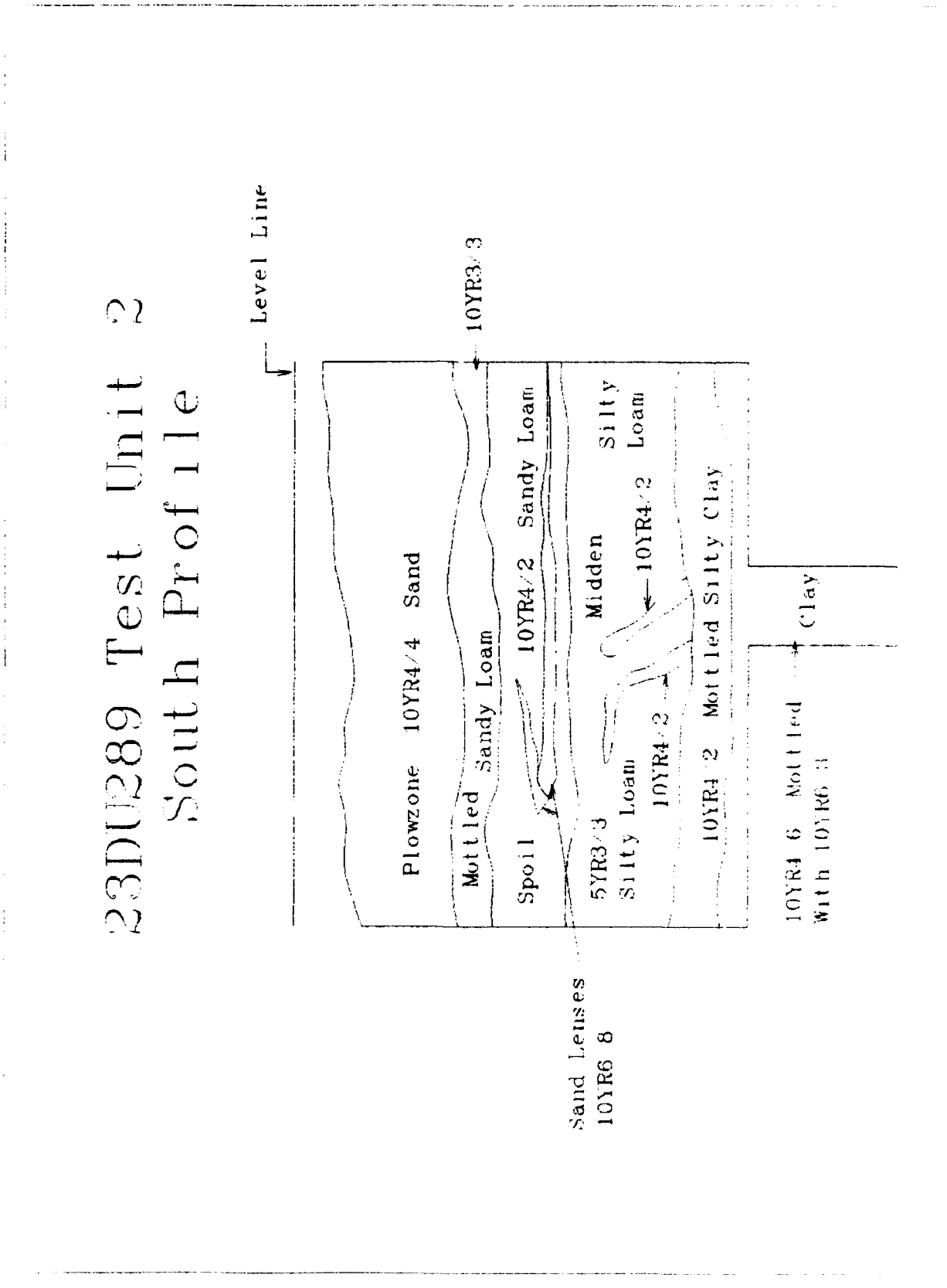


Figure 22. 23DU289, Test Unit 2, South profile.

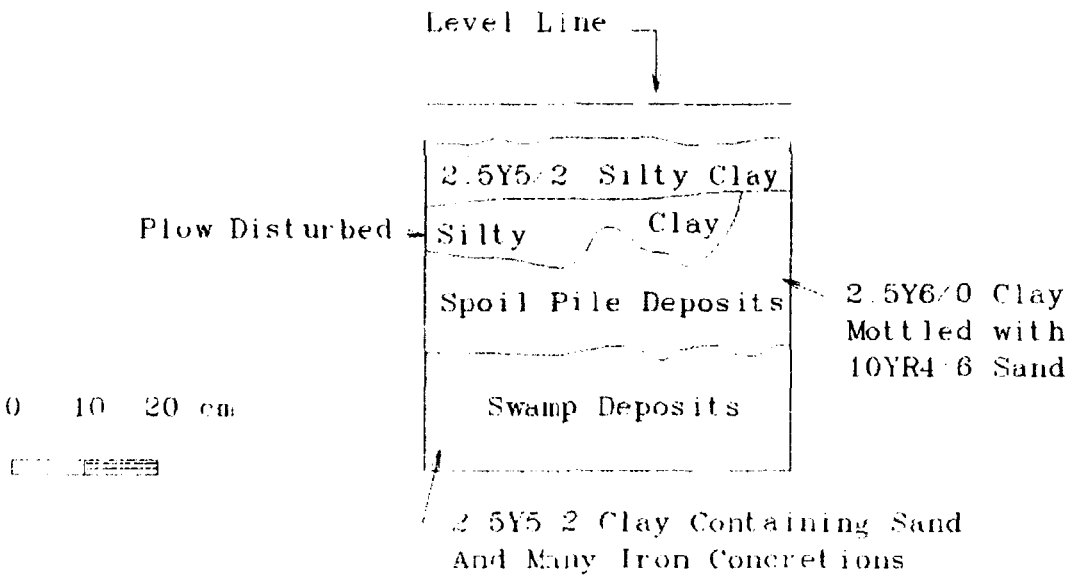


Figure 23. 23DU289, Test Unit 3, north profile.

One possible feature was encountered at the base of the midden. This was a 3-4 cm depression approximately 50 cm in diameter. In addition there were several probable root holes in the midden zone.

Nine hundred and fifty-one artifacts were recovered from Test Unit 2 (Table 3; Appendix A). The spoil pile and plowzone had most of the European artifacts. Beneath the spoil pile there is a high density stratified midden with Late Woodland/Emergent Mississippian on the top (40-50 cm BS) to earlier Woodland and perhaps Late Archaic on the bottom (60-70 cm BS). Artifact densities as high as 3000 artifacts per cubic meter are present in this part of the site. Most of the artifacts recovered are reduction debris from making lithic tools. Charred flora was recovered, even though no special samples were taken. Bone is preserved in small quantities.

TABLE 3

TEST UNIT 2 ARTIFACTS

	metal	glass	Euro ceramic	flake	core	biface	coal	fcr *	hematite	ground lithic	Pottery sand plain	Pottery sand crmk	Pottery grog	Pottery shell	floral	animal	Total
plowzone	1	9		30			9	.19	3						.1		53
spoil	2	14	5	145				.51			10	2			.2	1	180
40-50cm	1	1	1	281		3		1.43	12	1	12	8	1	1			322
50-60cm				199	1	1		1.75	12		7	4		1		2	227
60-70cm				121	1	1	1PPK	1.19	6			4			.8	4	139
70-80cm				12				.08									12
Total	4	24	6	788	2	5	10		33	1	29	18	1	2	1.1	7	923

*fire-cracked rock not totalled, PPK=projectile point/knife, crmk=cord-marked

Test Unit 3 was located east of Ditch 19, on the spoil pile at 530N 204E (Figure 19). This was in a controlled surface collection unit near a high density area of the site. It was placed in this location to see if the site extended as far north as was indicated by the controlled surface collection. We began to excavate a 1 m x 1 m unit, but after we found it impossible to screen we restricted the excavation to a 50 cm x 50 cm area and trowel cut the tough clays.

The plowzone was 10-15 cm thick (Figure 23). It was composed of grayish brown (2.5Y5/2) silty clay. Beneath this was spoil pile deposits. This was a grey (2.5Y6/0) clay mottled with dark yellow brown (10YR4/6) sand. Beneath the spoil pile was a pale grey (2.5Y5/2) sand with many iron concretions mixed in. This gleyed clay layer is characteristic of swamp deposits and this test unit is interpreted as being off of the site. One piece of coal was recovered in the plowzone.

TABLE 4

TEST UNIT 3 ARTIFACTS

	coal	fcr *	Total
0-10cm	1	.02	1

*fire-cracked rock not totaled

Test Unit 4 was located east of Ditch 19, on the spoil pile at 360N 199E (Figure 19). This unit we positioned between the Test Units 2 and 3 to get better precision in locating the northwest edge of the site. This unit was excavated to a depth of 70 cm.

The plowzone (Figure 24) was 15-20 cm thick grey (2.5Y6/2) clay with yellowish brown (10YR5/3.5) sand at the bottom. This unnatural strata was underlain by the grayish brown (2.5Y5/2) sandy loam spoil pile to a depth of 32 cm BS. The base of the spoil pile was obvious, with the pre-spoil pile A horizon marked by a dark grayish brown (2.5Y4/2) silt that initially was evident as plowscars. The original A horizon was between 32-40 cm BS, and it had been plowed previous to deposition of the spoil pile. This was evidenced by plowscars at 40 cm BS and historic artifacts. Beneath this was intact B horizon consisting on grayish brown (2.5Y5/2) silt mottled with iron concretions. Iron concretions increased in density to at least 70 cm, where excavations were terminated.

Artifacts were in low density in this unit. The plowzone contained glass, metal, and ceramics of Euro-American origin and two flakes. The spoil pile deposits had only Euro-American artifacts. The highest density of artifacts was in the 30-40 cm BS level where 105 Euro-American artifacts were recovered. This was a real surprise. Artifacts consisted of glass (both flat and curved), metal (nails in fairly high density) and whiteware. This artifact assemblage suggests the presence of an early 20th century farmstead. Prehistoric artifacts were in very low density and consisted of eight flakes and three Barnes sherds indicating a Woodland period occupation.

Test Unit 5 was located east of Ditch 19, off the spoil pile, as the original site location indicated, at 345N 234E (Figure 19). It was placed between Test Unit 2 and the ridge. The landowner reported the site had been located on this ridge before land-leveling. The ridge remnant manifest itself as a yellowish soil in the field.

TABLE 5

TEST UNIT 4 ARTIFACTS

	metal	glass	Euro ceramic	flake	core	biface	coal	fcr *	hematite	ground lithic	Pottery sand plain	Pottery sand crmk	Pottery grog	Pottery shell	floral	animal	Total
plowzone	1	5	1	2			2									1	12
18-30cm	1	2	1														4
30-40cm	32	61	12	8				.04			2	1			.2		117
40-50cm	3			1													4
Total	37	68	14	11			2				2	1			(1)	1	137

*fire-cracked rock not totaled, PPK=projectile point/knife, crmk=cord-marked

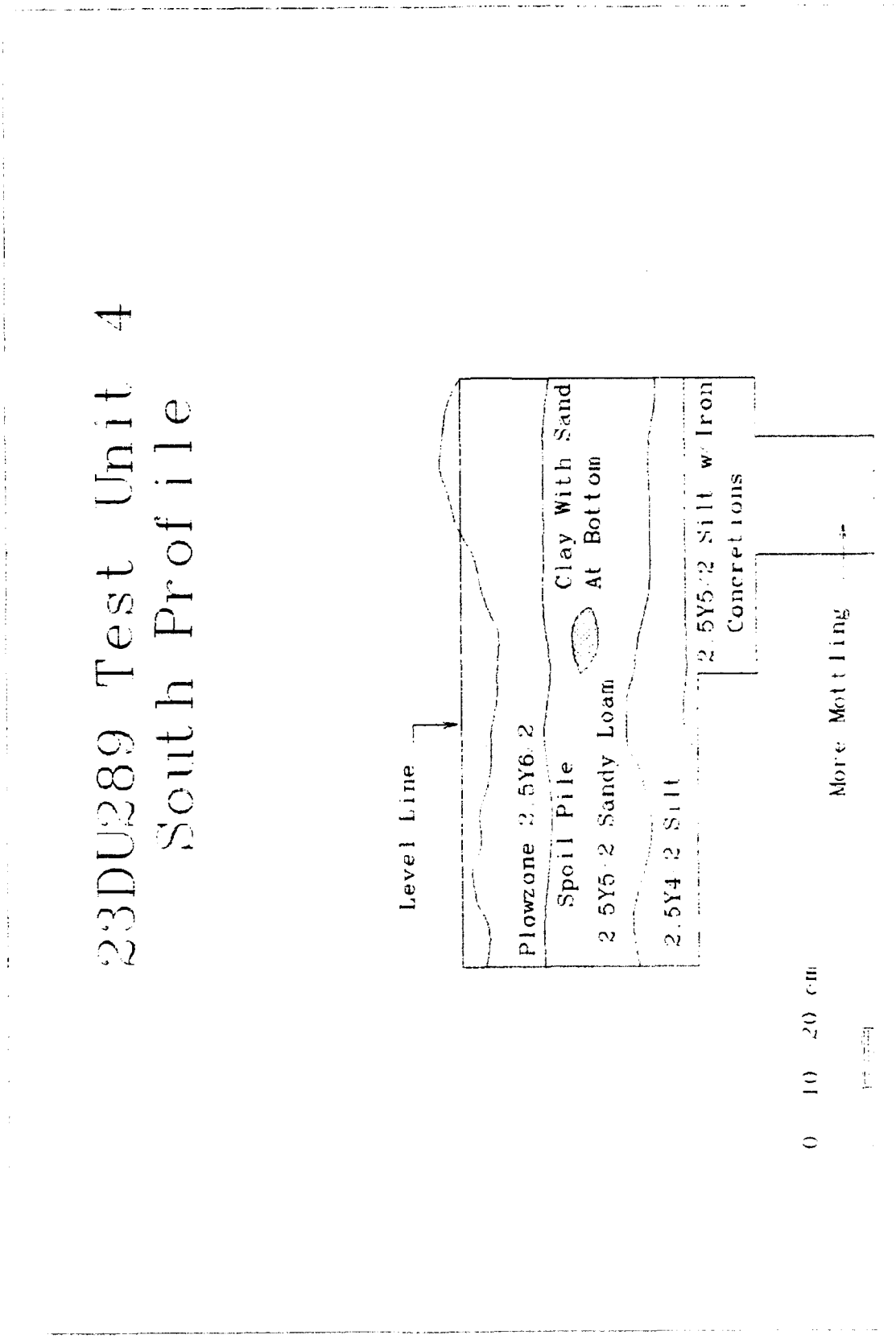


Figure 24. 23DU289, Test Unit 4, south profile.

The plowzone (Figures 25 and 26) was excavated as one unit and was a 13 cm thick brown (10YR5/3) sandy loam. This was underlain by a 4-6 cm thick dark grey brown (2.5Y4/2) sandy silt containing artifacts and carbon. Beneath this was Feature 1, which was rather strange. The feature dipped toward the southeast. Its bottom was at 25 cm in the northwest corner and at 45 cm in the southeast corner. Its fill was a yellowish brown (10YR4/6) clay mottled with brown (10YR5/3) sandy loam. Under the feature fill there was a 2-4 cm thick light yellowish brown (2.5Y6/4) layer of archeologically sterile sand. Underlying Feature 1 was the yellowish brown (10YR4/6) clay B horizon. This was well developed and contained no artifacts.

All of the artifacts recovered were either in the plowzone or in the feature. As with the other units on this site, the artifacts consisted of flakes, cores, bifaces and sand-tempered Barnes ceramics. Botanical remains were recovered in the feature.

TABLE 6

TEST UNIT 5 ARTIFACTS

	metal	glass	Euro ceramic	flake	core	biface	coal	fcr *	hematite	ground lithic	Pottery sand plain	Pottery sand crmk	Pottery grog	Pottery shell	floral	animal	Total
0-15cm	1	1		61	2	2		.42			1				.2		69
15-25cm				19				.25			1						20
25-35cm				4													4
Total	1	1		84	2	2					2				.2		93

*fire-cracked rock not totaled, PPK=projectile point/knife, crmk=cord-marked

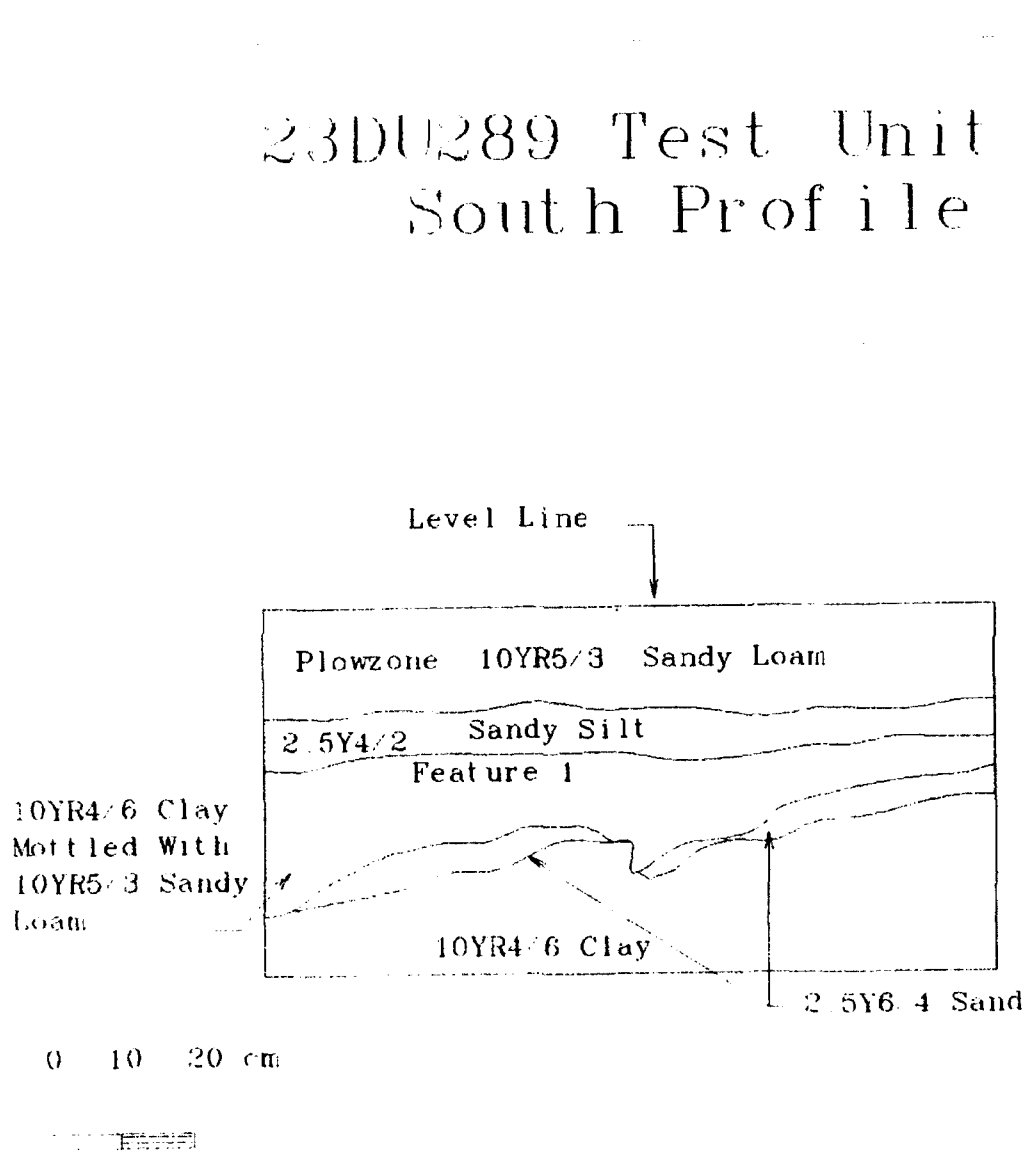


Figure 25. 23DU289, Test Unit 5, south profile.

23DU289 Test Unit 5
East Profile

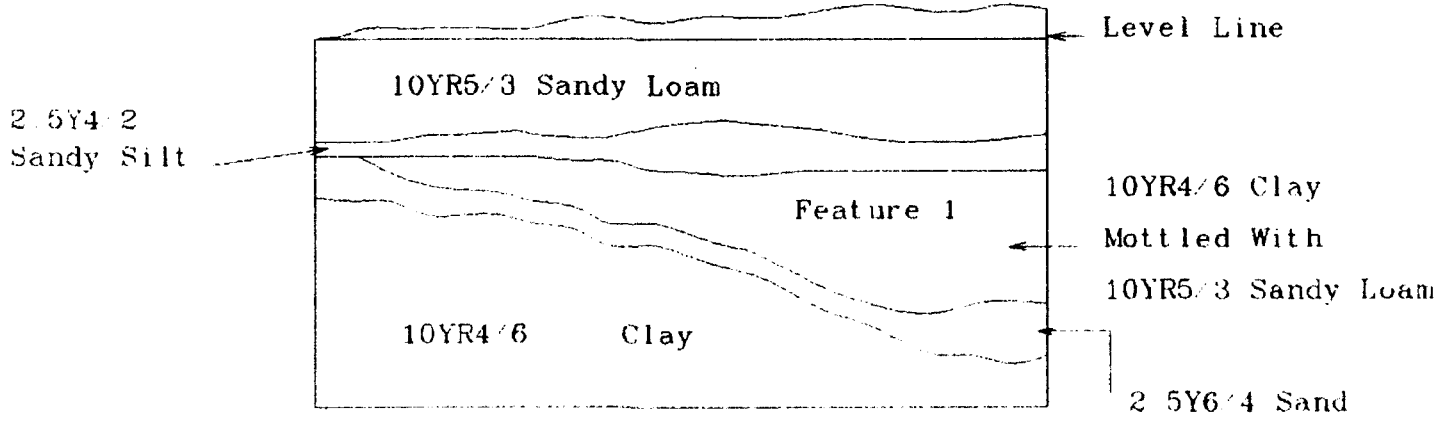


Figure 26. Test Unit 5, east profile.

Test Unit 6 was located east of Ditch 19, off the spoil pile at 376N 258E (Figure 19) in an area where the surface soil was slightly yellower. The plowzone (Figure 27) was 15 cm thick and composed of a brown (10YR4/3) silty loam. The plow scars were quite distinct at 15 cm and contrasted strongly with the underlying B horizon. A 50 x 50 cm corner of the unit was excavated to 35 cm below surface and contained no artifacts.

Artifacts were in comparatively low density in the unit and consisted of flakes (40), Euro-American artifacts (2), and Barnes sherds (2).

In summary, this work has documented the presence of at least two intact subsurface features and there are likely to be more. The presence of an undisturbed stratified midden under the spoil pile and on the west side of the ditch accompanied with a high number of Barnes ceramic sherds on the surface means that this site could be very valuable in clarifying the development Barnes culture in southeast Missouri. The five 1988 test units have generally confirmed the earlier inferences of the site limits based on the soils map prior to land-leveling. The site trended from northeast to southwest on the better drained soils. They indicate, however, that the site did not extend as far to the northwest as the surface scatter of artifacts indicated. These artifacts were redistributed from the site to their present location by the land-leveling.

TABLE 7

TEST UNIT 6 ARTIFACTS

	metal	glass	Euro ceramic	flake	core	biface	coal	fcr *	hematite	ground lithic	Pottery sand plain	Pottery sand crak	Pottery grog	Pottery shell	floral	animal	Total
0-15cm		1	1	40				.05			2						44

*fire-cracked rock not totaled, crak=cord-marked

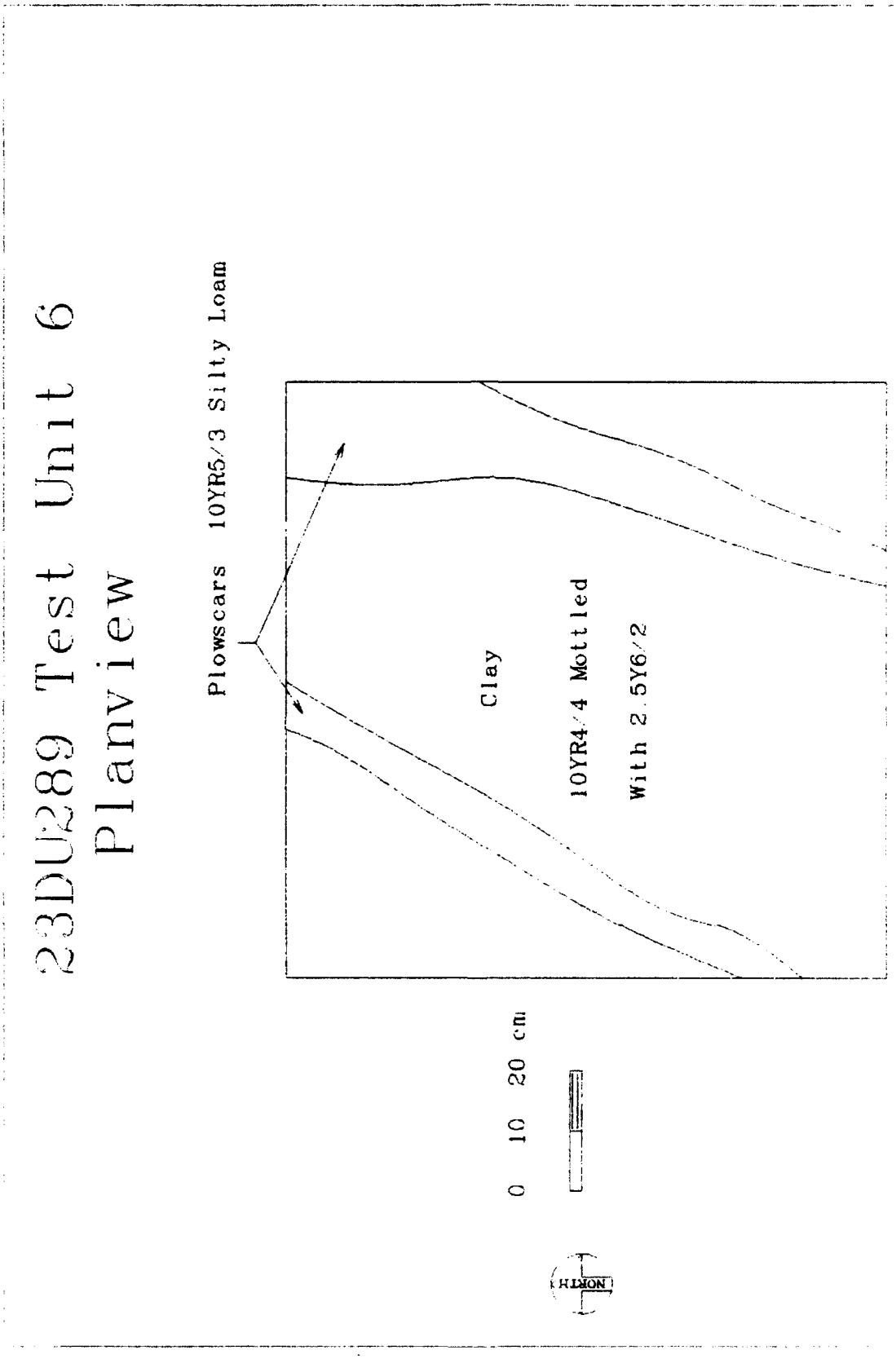


Figure 27. 23DU289, Test Unit 6, planview.

Proposed Site Function and Cultural Affiliation

One Late Archaic projectile point, a Delhi, was found at the site. This point type is closely associated with the Poverty Point Culture. The presence of many Barnes sherds indicates that the site was used heavily during the Late Woodland period. The presence of a few shell-tempered sherds and an arrow point indicates that the site was used during the Mississippi period. The old bayou was at one time the nearest large water source to Crowley's Ridge. This area was probably heavily used for lithic reduction of gravels from the ridge.

Site Significance

23DU289 contains intact midden and subsurface features. This site contains valuable information about the Barnes Culture, about which little is known in the Malden Plain. The preservation of bone and floral remains is especially important to the developing understanding of Barnes culture. The site is bisected by Ditch 19, whose construction destroyed a section in the center of the site. This has served to preserve an unplowed stratified portion of the site under the spoil pile. Several recent investigations in Dunklin County (Dunnell and Feather 1985) have suggested that such deposits do not exist. The site was deep and large, and much information remains. The two slight rises west of Ditch 19 are unusual in that they are remnants of natural topography in this almost entirely land-leveled area of the world. 23DU289 is definitely significant in terms of NRHP criterion d and is eligible for nomination to the NRHP. Potential research domains include changes in the ceramics and lithic technology, adaptation to the environment, and settlement organization.

Project Impacts

Widening of Ditch 19 would damage the site and destroy potentially significant information about the prehistory of this area.

Recommendations

Since the 23DU289 is located both east and west of Ditch 19, the area cannot be avoided by working only on one side of the ditch. We recommend mitigation by data recovery in the impact zone or avoidance by not widening the ditch.

23DU290

Description

The site is a dense scatter of Late Archaic, Late Woodland and Mississippi period artifacts. In the project area, the artifacts were all found in the area of the old bayou. The landowner told us that there had been a mound approximately 250 m east of the old bayou (Figure 28). Five years ago, he bulldozed the mound over into the bayou. The original location of the mound was outside of the project's right-of-way, but the artifacts are now within the impact zone. A collection was made in order to document the mound's contents, and five control columns were excavated in order to confirm that the old bayou was indeed in this location.

The control columns documented that this was the location of the old bayou and that the mound had indeed been pushed over into the area making the whole field nice and level.

The project calls for deepening and widening Ditch 19 in this location. Since the mound has already been destroyed, not much information will be lost due to project impacts.

Controlled Surface Collections: The soil was saturated making walking difficult. The area had been harvested, plowed and rained upon making surface visibility excellent (100%). Artifact density was high.

The site grid was laid out parallel to Ditch 19 which runs 30 degrees east of magnetic north at this location. An arbitrary point was assigned the coordinates 400N 100E and units were established north and south of this point. Each unit was assigned coordinates according to the southwest corner's distance north and east of 400N 100E. A permanent datum was established and mapped in relation to the investigative units and natural features of the site.

Shell-tempered and sand-tempered sherds were densely scattered throughout the collection unit. Sand-tempered sherds were usually plain or cordmarked indicating occupation by the Barnes culture. Shell-tempered sherds were mainly plain or red-filmed Varney sherds typical of Emergent Mississippian in this area (Lafferty et al. 1986:301). One Stone-Square Stemmed dart point dating to the Late Archaic was found. Much human and animal bone was found. The landowner noted the presence of burials in the mound when he bulldozed it and "skulls rolled out."

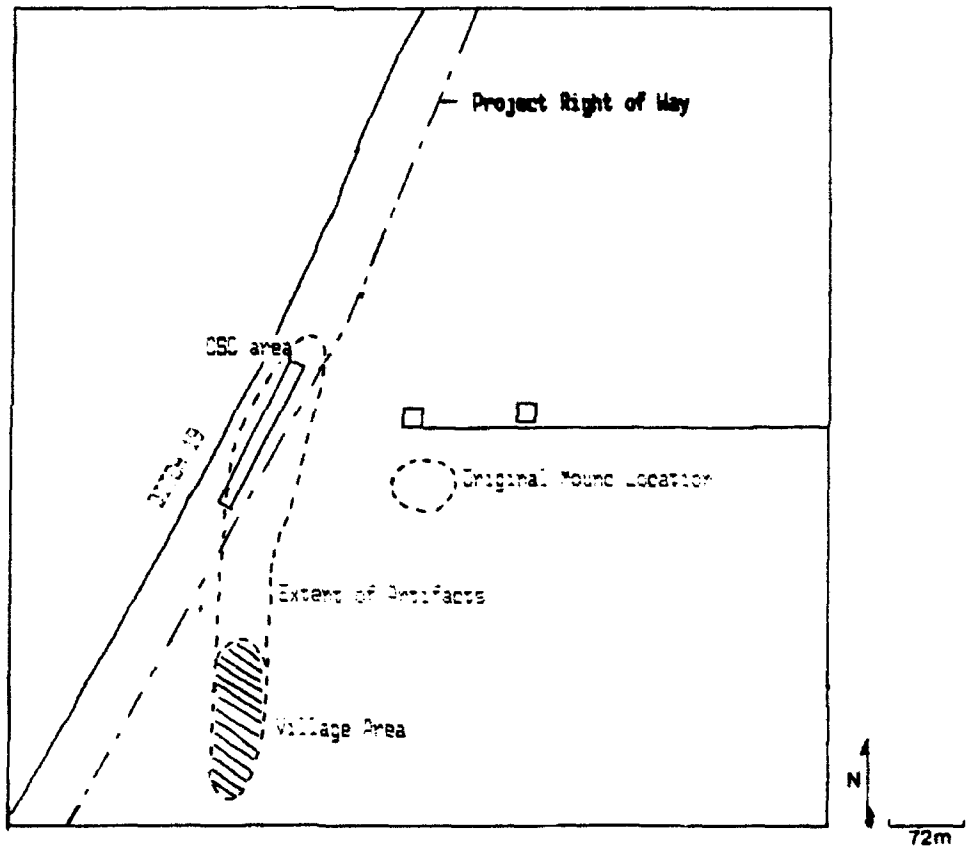


Figure 28. 23DU290, site map.

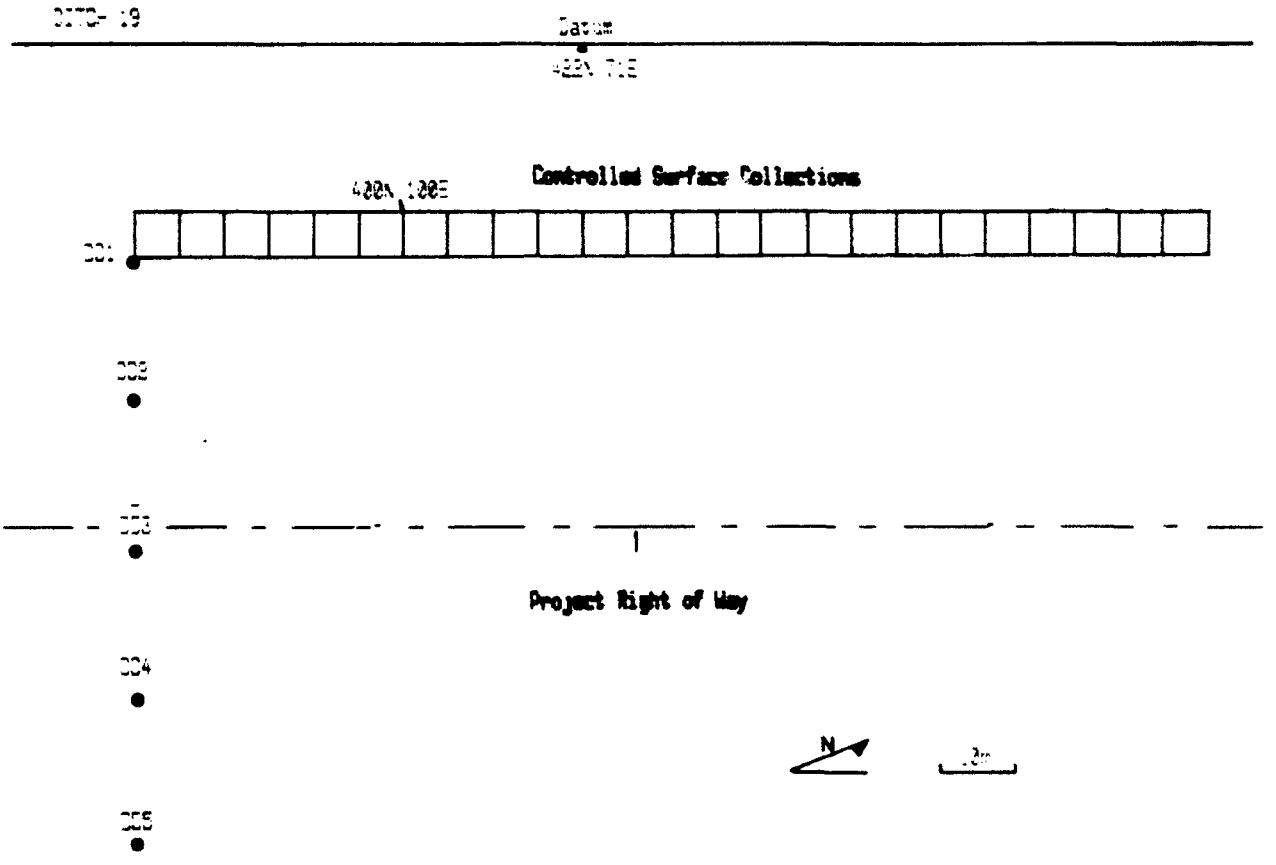


Figure 29. 23DU290, controlled surface collection and control columns.

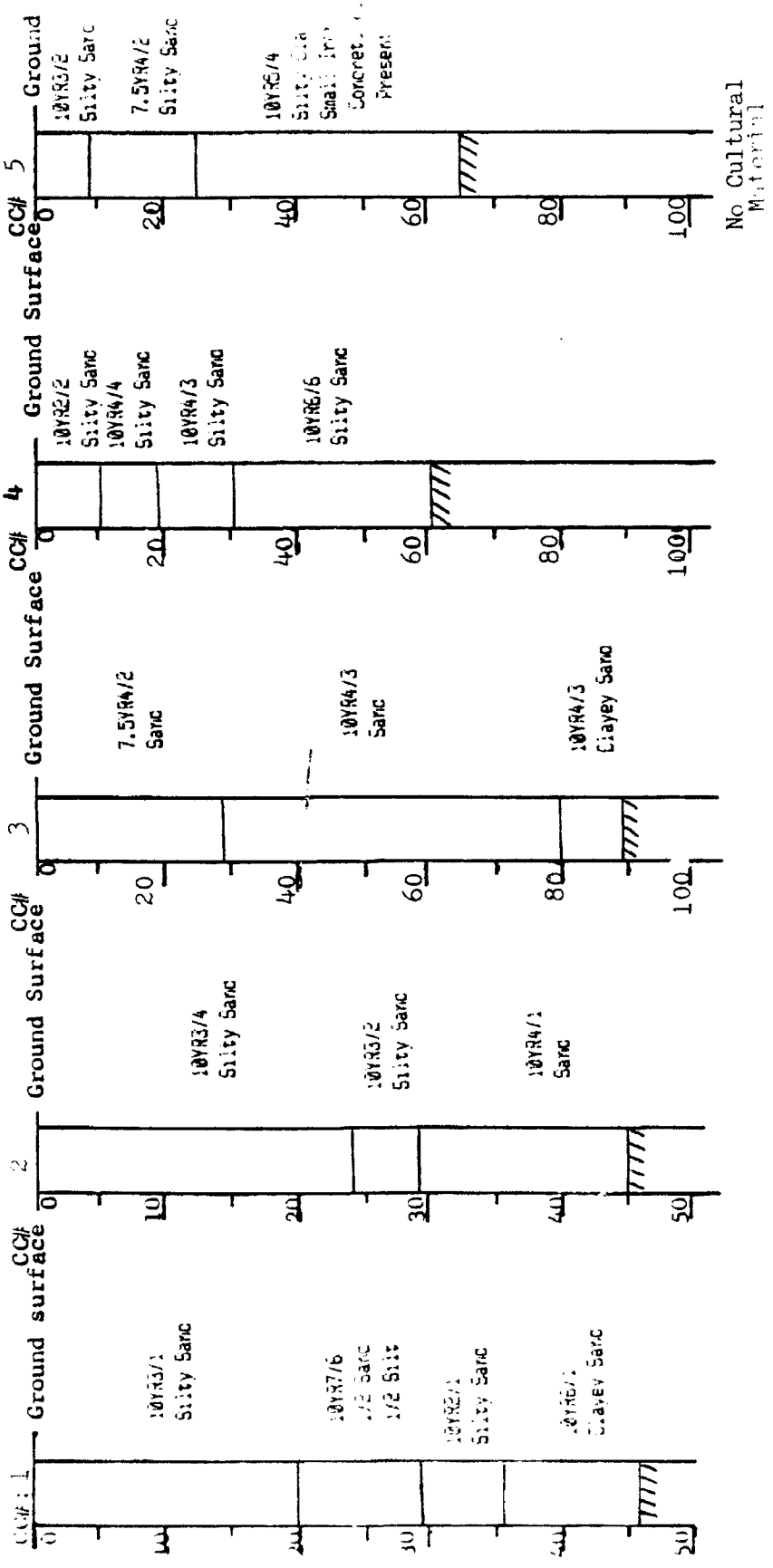


Figure 30. Profiles for control columns from 23DU290.

Control Columns: Control columns were excavated and documented in order to establish if the old bayou had been in this location and filled in with the mound. The first one (Figure 29) was excavated at 362N 106E and the others were placed east of this one at 20 m intervals. CC1 had 10YR3/1 dark brown silty sand from 0-20 cm BS (Figure 30). From 20-28 cm BS was a yellow soil that was half silt and half sand. From 28-36 cm BS was a 10YR2/1 black silty sand. From 36-46 cm BS was a 10YR6/1 gray clayey sand.

CC2 was 20 m east of CC1. CC2 had 10YR3/4 dark yellowish brown silty sandy mound fill that had been plowed for the last five years from 0-23 cm BS (Figure 30). From 23-28 cm BS was 10YR3/2 very dark grayish brown silty sandy mound fill that has not been plowed. From 28-45 cm BS was a 10YR4/1 dark gray sand that was the bayou soil.

CC3 was 20 m east of CC2. CC3 had 7.5YR4/2 dark brown sand from 0-28 cm BS (Figure 30). From 28-83 cm BS was a 10YR4/3 brown sand that became clayey from 79-83 cm BS.

CC4 was 20 m east of CC3 and had a 10YR2/2 very dark brown silty sandy mound fill from 0-11 cm BS (Figure 30). From 11-19 cm BS was a 10YR4/4 dark yellowish brown silty sand that was the plowzone prior to leveling of the mound. From 19-31 cm BS, the soil was a little darker (10YR4/3 dark brown) and siltier than the above soil. From 30-61 cm BS was 10YR6/6 brownish yellow silty sand with more clay toward the bottom of the level.

CC5 was 20 m east of CC4 and had 10YR3/2 very dark grayish brown silty sandy mound fill from 0-7 cm BS (Figure 30). From7-25 cm BS was a 7.5YR4/2 dark brown silty sand. From 25-65 cm BS was a 10YR5/4 yellowish brown silty sand with more silt toward the bottom. A few artifacts were found CCs 1-4, but none were found in CC5. As one moved east from the location of the old bayou, the pushed over mound fill got shallower as one would expect from the landowner's description of the leveling of the mound.

In summary, physical archeological evidence supported the landowner's contention that the artifacts near the edge of Ditch 19 and in the impact zone were from the pushed over mound in the center of the field and well out of the project's right-of-way.

Proposed Site Function and Cultural Affiliation

23DU290 dates to the Late Woodland and Early Mississippi periods. The presence of human bone indicates that the mound was used for burying the dead and possibly had other ceremonial uses. To the south of the mound and out of the project right-of-way the sherds were smaller indicating that they had lain of the surface longer than the sherds from the mound. This indicated that this was a village area associated with the mound. This area would provide much information about Late Woodland and Early Mississippi periods in this area, but the village portion of the site is out of this project's right-of-way.

Site Significance

If still standing, the mound would be of major importance in clarifying the knowledge of the prehistory of this area. As it is, the variety of the artifacts gives us an idea of the time period during which the mound was occupied, but little other information can be gathered. The mound has been demolished and therefore is not eligible for nomination to the NRHP. The village area, however, should be tested if plans are ever made to disturb it.

Project Impacts

If deepening and widening of Ditch 19 is carried out on its eastern side, some of the artifacts from the mound will be displaced, but since they are already displaced, this does no particular harm. The mound cannot be further destroyed as it is already completely destroyed. The village area of the site is well outside of the impact zone and will not be adversely impacted by the project.

Recommendations

We recommend no further archeological work at 23DU290 at this time. However, if future work is planned that would impact the village area southeast of the mound, the area should be tested.

CHAPTER 5

SUMMARY AND CONCLUSIONS

During the course of initial survey and subsequent testing of the right-of-way of proposed improvements to Ditch 19 and Lateral No. 1, seven prehistoric sites were identified within the project's impact zone. Testing of the sites resulted in the determination that three of the sites (23DU284, 23DU286 and 23DU289) met the National Register of Historic criteria for significance. These site were determined to be eligible for nomination to the NHRP. Five additional test units were excavated in the spring of 1988 at site 23DU289. These units demonstrated that the site does occur under the spoil pile but that the site is more limited in areal extant than first thought due th the scattering of artifacts by landleveling. Four of the sites (23DU285, 23DU287, 23DU288 and 23DU290) were determined not to be eligible for nomination to the NRHP.

Mitigation by avoidance was recommended for 23DU284 which is located only on the east side of Ditch 19. 23DU289 is bisected by Ditch 19 and 23DU286 is bisected by Lateral No. 1. It was recommended that impact to these sites be mitigated by data recovery within the impact zone. No further archeological work was recommended for the sites determined not to be eligible for nomination to the NRHP.

GENERAL RECOMMENDATIONS

Most of the sites (23DU284, 23DU285, 23DU288 and 23DU290) that were located along Ditch 19 were found only on the east side of the ditch. It is our opinion that improvements only to the west side of the ditch would be the least damaging to archeological resources in this area. We recommend that the proposed project be restricted to this side Ditch 19.

REFERENCES CITED

Adams, Robert M., and Winslow Walker
1942 Archeological Surface Survey of New Madrid County, Missouri. *The Missouri Archeologist* 8 (2).

Bartlett, Charles S., Jr.
1963 The Tom's Brook Site - 3JO1: A Preliminary Report. In *Arkansas Archeology 1962*, edited by C. R. McGimsey III, pp. 15-65. Arkansas Archeological Society, Fayetteville.

1964 Carbon 14 dates from the Tom's Brook site, JO1. *Newsletter of the Arkansas Archeological Society* 5:132-133.

Beadles, John K.
1976 *Environmental Inventory of the Tyronza River Watershed, Mississippi and Poinsett Counties, Arkansas.* Arkansas State University, submitted to USDA-SCS, Little Rock. Contract No. AG-05-SCS-00402.

Butler, Brian M.
1978 *Mississippian Settlement in the Black Bottom, Pope and Massac Counties, Illinois.* Ph.D. Dissertation, Department of Anthropology, Southern Illinois University, Carbondale.

Chapman, Carl H.
1952 Cultural Sequence in the Lower Missouri Valley. In *Archeology of the Eastern United States*, edited by. J. B. Griffin, pp.139-151. Chicago.

1975 *The Archeology of Missouri, I.* University of Missouri Press, Columbia.

1980 *The Archeology of Missouri, II.* University of Missouri Press, Columbia.

Chapman, Carl H., and Lee O. Anderson
1955 The Campbell Site, a late Mississippi townsite and cemetery in southeast Missouri. *The Missouri Archeologist* 17(2-3).

Chapman, Carl, J. Cottier, David Denman, David Evans, Dennis Harvey, Michael Raagan, Bradford Rope, Michael Southland, and Gregory Waselkov
1977 Investigation and Comparison of Two Fortified Mississippi Tradition Archeological Sites in Southeastern Missouri: A Preliminary Compilation. *Missouri Archeologist* No. 38.

Cottier, John W.
1977a The 1972 Investigations at the Lilbourn Site, *The Missouri Archeologist* 38:123-154.

1977b Continued Investigations at the Lilbourn Site, 1973, *The Missouri Archeologist* 38:155-185.

Cottier, John W., and M. D. Southard
1977 An Introduction to the Archeology of Towosahgy State Archeological Site. *The Missouri Archeologist* 38:230-271.

Dekin, Albert, and Cecil Brooks, Douglas Edsall, James Mueller, Robert Pasnat, Peter Skirbunt, Sally Tompkins, with Charles Lee Decker, James O'Donnell, Vanessa Patrick, Genevier Poirier and Phyllis Morse, Martin Pociask and Bernard Poirier.
1978 *Predicting Cultural Resources in the St. Francis Basin, a Research Design.* Report submitted to the U. S. Army Corps of Engineers by Iriquois Research Institute.

Delcourt, Paul A., H. R. Delcourt, R. C. Brister and L. E. Lackey
1980 Quaternary Vegetation History of the Mississippi Embayment. *Quaternary Research* 13:111-132.

Dickson, Don R.
1982 The Albertson site No. 1 (3BE174). Ms. on file, Arkansas Archeological Survey, Fayetteville.

Dunnell, Robert C. and James K. Feathers
1986 Later Woodland Manifestations of the Malden Plain, Southeast Missouri. Paper presented at the 1986 Southeastern Archaeological Conference, Nashville, TN.

Federal Register
1976 36CFR60 National Register of Historic Places: Nominations by State and Federal Agencies. Rules and Regulations, 9 January 1976.

1977a 36CFR63 Determinations of Eligibility for Inclusion in the National Register of Historic Places. Interim Regulations, 21 September 1977.

1977b Publication Guidelines for Level of Documentation to Accompany Requests for Determinations of Eligibility for Inclusion in the National Register. 21 September 1977.

Ferguson, Dick V., and James L. Gray
1971 *Soil Survey of Mississippi County, Arkansas.* U. S. Department of Agriculture, Soil Conservation Service, Washington.

Ford, James A.
1963 *Hopewell Culture Burial Mounds Near Helena, Arkansas.* Anthropological Papers of the American Museum of Natural History, Vol. 50, Part 1, New York.

Ford, James A., and Gordon R. Willey
1941 An Interpretation of the Prehistory of the Eastern United States. *American Anthropologist* 43 (3):325-363.

Ford, James A., Phillip Phillips and William S. Haag
1955 *The Jaketown Site in West-Central Mississippi.* Anthropological Papers of the American Museum of Natural History, Vol. 45, Part 1.

Fowke, Gerard
1910 *Antiquities of Central and Southeast Missouri.* Bureau of American Ethnology, Bulletin No. 37. Washington.

Gilmore, Michael
1979 *An Archeological Survey of Mingo National Wildlife Refuge:1978.* Submitted to the Fish and Wildlife Service, Dept. of Interior, Washington. Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-128.

Greer, John W. (Assembler)
1978 *Cultural Resources Study of the P62 Products Line across Southeast Missouri.* Archeological Services Survey Report No. 2, Columbia, Missouri. Report on file, Division of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-73.

Goodyear, Albert C.
1974 *The Brand Site: A Techno-functional Study of a Dalton Site in Northeast Arkansas.* Arkansas Archeological Survey Research Series 7, Fayetteville.

Greer, John W. (Assembler)
1978 *Cultural Resources Study of the P62 Products Line across southeast Missouri.* Archeological Services Survey Report No. 2, Columbia, Missouri. Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-73.

Griffin, James B.
1952 Prehistoric Cultures of the Central Mississippi Valley. In *Archeology of Eastern United States.* edited by J. B. Griffin, pp. 226-238. Chicago.

Harris, Suzanne E.
1980 Reconstruction of the 19th century Environment. In *Zebree Archeological Project*, edited by Dan F. and Phyllis A. Morse. pp. 13:1-14. Ms. on file, U. S. Army Corps of Engineers, Memphis.

Holmes, William H.
1903 *Aboriginal Pottery of the Eastern United States.* Twentieth Annual Report, Bureau of American Ethnology. Washington, D. C.

Hopgood, James F.
1969 *An Archeological Reconnaissance of Portage Open Bay in southeast Missouri.* Missouri Archeological Society Memoir No. 7. Columbia.

House, John H.
1982 *Powell Canal: Baytown Period Occupation on Bayou Macon in Southeast Arkansas.* Arkansas Archeological Survey Research Series 19. Fayetteville.

Hudson, Charles
1984 The Route of DeSoto Through Arkansas. Paper presented at the Department of Anthropology Colloquium, University of Arkansas, Fayetteville.

Hudson, Charles, Marvin Smith, David Hally, Richard Polhemus and Chester DePratter
1985 Coosa: A Chiefdom in the Sixteenth-Century Southeastern United States. *American Antiquity* 50(4):723-737.

Iroquois Research Institute
1978 *A Survey level report of the Castor River Ditch Enlargement Project, Item 1, Stoddard County, Missouri.*Submitted to the U. S. Army Corps of Engineers, Memphis District by I. R. I. Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-213.

Kay, Marvin, Francis B. King and C. K. Robinson
1980 Cucurbits from Phillips Spring: New Evidence and Interpretations. *American Antiquity* 45:806-822.

Keller, John E.
1983 *Cultural Resources Survey a Literature Review of Belle Fountain Ditch and Tributaries, Dunklin and Pemiscot Counties, Missouri; and Mississippi County, Arkansas.* New World Research, Inc. Report of Investigations No. 92.

King, James E.
1981 A Holocene Vegetation Record from the Mississippi Valley, Southeastern Missouri. *Quarternary Research* 8:307-323.

Klinger, Timothy C.
1982 *Mangrum* Arkansas Archeological Survey Research Series, No. 20. Fayetteville.

Klinger, Timothy and Mark Mathis
1978 *St. Francis II: An Archeological Assessment of Three COE-Sponsored channelization Projects in the St. Francis Basin, Arkansas.* Arkansas Archeological Survey Research Report No. 14.

Klinger, Timothy C., Carol S. Spears, Ross A. Dinwiddie, Michael C. Sierzchula, Cynthia R. Price and James E. Price
1981 *Cultural Resources Survey and Testing in the Boothill Region of Missouri.* Submitted to the U. S. Army Corps of Engineers, Memphis District by Historic Preservation Associates under contract no. DACW66-81-C-0032. HPA report No. 81-3.

Krakker, James J.
1977 *Archeological Survey in Mingo National Wildlife Refuge: an Investigation of Changing Adaptations in the Ozark Border.* Submitted to the U. S. Fish and Wildlife Service, Mingo National Wildlife Refuge, Puxico, Missouri.

Lafferty, Robert H., III
1977 *The Evolution of the Mississippian Settlement Pattern and Exploitative Technology in the Black Bottom of Southern Illinois.* Ph.D. dissertation, Department of Anthropology, Southern Illinois University, Carbondale.

1981 Lithic Reduction Analysis of Three Poverty Point Period Activity Areas at Site 3IN218, Independence County, Arkansas. Paper presented at the 39th Southeastern Archeological Conference, Nov 1981, Ashville, N. C.

Lafferty, Robert H., III, L. G. Santeford, Phyllis. A. S. Morse, and L. M. Chapman
1984 *A Cultural Resources Survey and Evaluation in the Tyronza River Watershed Phase I Area, Mississippi County, AR.* Reports of Investigations No. 84-2, MCRA, Lowell, AR. Submitted to USDA, Soil Conservation Service, Little Rock, Contract No. 54-7103-3-290. 376pp.

Lafferty, Robert H., III, Carol S. Spears, Phyllis A. S. Morse and Hope N. Gillespie
1985 *Cultural Resources Survey, Testing and Predictive Model Development in the Tyronza Phase II Watershed Area, Mississippi and Poinsett Counties Arkansas.* Submitted to the Soil Conservation Service by Mid-Continental Research Associates, Report No. 85-1. Contract No. 53-7103-4-36817.

Lafferty, Robert H. Lafferty, III, Margaret J. Guccione, Linda J. Scott, D. Kate Aasen, Michael C. Sierzchula, Beverly J. Watkins and Paul F. Baumann.
1987 *A Cultural Resources Survey, Testing and Geomorphic Examination of Ditches 10, 12, and 29, Mississippi County, Arkansas.* Submitted to the U.S. Army Corps of Engineers, Memphis District in accordance with Contract No. DACW66-86-C-0034 by Mid-Continental Research Associates, Report No. 86-5.

LeeDecker, Charles H.
1978 *A Survey Level Report of the Wappapello to Crowley's Ridge Channel Improvement and Scour Repair Project.* Submitted to U. S. Army Corps of Engineers, Memphis District by I.R.I. Contract No. DACW66-78-C-0054.
Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-106.

1979 *A Survey Level Report of the Ditch 29 enlargement project.* Submitted to U. S. Army Corps of Engineers, Memphis District by I.R.I.
Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-129.

Lewis, R. Barry
1974 *Mississippian Exploitative Stratigies: A Southeast Missouri Example.* Missouri Archeological Society, Research Series No. 11.

Logan W. D.
1952 *Graham Cave: An Archaic Site in Montgomery County Missouri* Memoir, Missouri Archeological Society, No. 2.

Marquette, Jacques
1954 *Jesuit Relations.* edited by Edna Denton. Vanguard Press, New York.

Marshall, Richard A.
1965 *An Archeological Investigation of Interstate Route 55 through New Madrid and Pemiscott Counties Missouri, 1964.* University of Missouri, Highway Archeological Report, No. 1, Columbia.

McMillian, R. Bruce
1971 *Biophysical Change and Cultural Adaptation at Rogers Shelter, Missouri.* Ph.D. dissertation, University of Colorado, Denver.

McNeil, Jimmy D.
1980 *Testing site 23SO441, Ditch 24, Stoddard County, Missouri.* Report prepared by the U. S. Army Corps of Engineers, Memphis District. Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-55.

1982 *A Cultural Resources Survey of Dudley Bridge and Lick Creek at Mile 11.65, Stoddard County, Missouri.* Report prepared by the U. S. Army Corps of Engineers, Memphis District. Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-293.

1984 *A Cultural Resources Survey in the Mingo Ditch Scour Repair Project.* Prepared by the U. S. Army Corps of Engineers, Memphis District. Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-360.

Moore, Clarence B.
1910 *Antiquities of the St. Francis, White and Black Rivers, Arkansas.* Journal of the Academy of Natural Sciences of Philadelphia, No. 14:255-364.

1916 *Additional Investigations on the Mississippi River.* Journal of the Academy of Natural Sciences of Philadelphia No. 16:492-508.

Morse, Dan F.
1973 Dalton Culture in northeast Arkansas. *Florida Anthropologist* 26:23-38.

1976 An Analysis of the Dalton Complex in the Central Mississippi Valley. In IX Congress, Union International des Sciences Prehistoriques et Protohistoriques, Colloque XVII, *Habitates Humains Anterieurs a L'Holocene en Amerique*: 136-166

1982a Northeast Arkansas. In *A State Plan for the Conservation of Archeological Resources in Arkansas* edited by H. A. Davis, pp. NE. Arkanses Archeological Survey Research Series No. 21. Fayetteville.

1982b Regional Overview of Northeast Arkansas. In *Arkansas Archeology in Review*, Edited by Neal L. Trubowitz and Marvin D. Jeter. Arkansas Archeological Survey Research Series No. 15, Fayetteville.

Morse, Dan F. and Phyllis A. Morse (editors)
1976 *A Preliminary Report of the Zebree Project: New Approacheds in Contract Archeology in Arkansas*. Arkansas Archeological Survey Research Report No. 8.

1980 *Zebree Archeological Project* Arkansas Archeological Survey Fayetteville, Submitted to Memphis District, U. S. Corps of Engineers.

Morse, Dan F. and Phyllis A. Morse
1983 *Archaeology of the Central Mississippi Valley*. Academic Press, New York.

Morse, Phyllis A.
1979 *An Archeological Survey of Portions of the Big Lake National Wildlife Refuge, Mississippi County Arkansas*. Report submitted to HCRS-IAS-Atlanta under P.O. A-55046(79) for the U.S. Fish and Wildlife Service, by Arkansas Archeological Survey, Fayetteville.

1981 *Parkin* Arkansas Archeological Survey Research Series No. 13. Fayetteville.

Moselage, John H.
1962 The Lawhorn Site. *Missouri Archaeologist* 24.

Muller, Jon D.
1978 The Kincaid System: Mississippian Settlement in the Environs of a Large Site. In *Mississippian Settlement Patterns*, edited by Bruce D. Smith, pp. 269-292. Academic Press, New York.

Padgett, Thomas J.
1978 *The AP&L Independence Station 500 KV Transmission Line Archeological Survey*. Submitted to AP&L by Arkansas Archeological Survey.

Perino, Gregory
1978 *Guide to the Identification of Certain American Indian Projectile Points*. Special Bulletin No. 4, Oklahoma Anthropological Society.

Phillips, Philip
1970 *Archaeological Survey in the Lower Yazoo Basin Mississippi 1949-1955*. Papers of the Peabody Museum, Harvard University 60.

Phillips, Philip, James Ford and James B. Griffin
1951 *Archaeological Survey in the Lower Mississippi Alluvial Valley. 1940-1947*. Papers of the Peabody Museum, Harvard University 25.

Potter, William B.
1880 Archeological Remains in Southeast Missouri. *Contributions to the Archeology of Missouri,* Part 1, pp. 1-20, St. Louis Academy of Science.

Price, Cynthia R.
1976 *A Cultural Resources Assessment of Six USDA Forest Service Exchange Tracts: The Foerster and White Exchanges, Mark Twain National Forest.* Submitted to USDA Forest Service, Rolla, Missouri.

1979 *A Cultural Resources Survey of Areas to be Disturbed by Proposed Modifications to the Existing Wastewater Treatment Facility, Moorehouse, New Madrid County, Missouri: 1979.* Center for Archeological Research, Report No. 199. Springfield.

1980 *Archeological Investigations at Prehistoric Sites 23OR42 (Riverton), 23OR60 (Turtle Island Spring), and 23OR59 (Rush Creek Camp) in the Eleven Point Valley, Oregon County, Missouri: 1979.* Submitted to USDA Forest Service, Mark Twain National Forest Rolla.

Price, James E.
1973 *Settlement Planning and Artifact Distribution on the Snodgrass Site and their Socio-political Implications in the Powers Phase of Southeast Missouri.* Ph.D. Dissertation, Department of Anthropology, University of Michigan, Ann Arbor.

1976a *An Archeological Survey of Houck Park, Puxico, Stoddard County, Missouri.* Report on file, Divisions of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-17.

1976b *An Archeological Survey of Boone Park, Dexter, Stoddard County, Missouri.* Report on file, Division of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-21.

1978 *An Archeological Survey of the Proposed Sewer System, Puxico, Stoddard County, Missouri.* Report on file, Division of Parks and Recreation, Department of Natural Resources, Jefferson City, Missouri. Report No. AR-VB-104.

Price, James E., and James B. Griffin
1979 *The Snodgrass Site of the Powers Phase of Southeast Missouri.* Anthropological Papers, Museum of Anthropology, University of Michigan 66.

Price, James E., and Cynthia R. Price
1980 *A Predictive Model of Archeological Site Frequency for Informed Management of the Resources within the Proposed Project Corridor of the M & A 500 kv Transmission Line, New Madrid, Pemiscot, and Dunklin Counties, Missouri: 1977.* Center for Archeological Research, Southwestern Missouri State University, Springfield.

1981 *Changing Settlement Systems in the Fourche Creek Watershed in the Ozark Border Region of Southwest Missouri and Northeast Arkansas.* Southwest Missouri State University, Center for Archeological Research, Report No. 251.

1984 *Archeological Testing of the Shell Lake Site Wayne County, Missouri.* Submitted to the St. Louis District, Corps of Engineers by the Center for Archeological Research, Springfield.

Price, James E., and James J. Krakker
1975 *Dalton Occupation of the Ozark Border.* Museum Brief No. 20. Museum of Anthropology, University of Missouri, Columbia.

Price, James E., Lynn D. Morrow and Cynthia R. Price
1978 *A Preliminary Literature Review of the Prehistoric and Historic Cultural Resources for the M & A Power Corporation Power Line Transect in New Madrid, Dunklin and Pemiscot Counties, Missouri, and Mississippi County, Arkansas: 1979.* Center For Archeological Research, Southwest Missouri State University, Springfield.

Rolingson, Martha A. (Editor)
1984 *Emerging Patterns of Plum Bayou Culture.* Arkansas Archeological Survey, Research Series No. 18.

Sabo, George, III, David B Wadall, and J. H. House
1982 *A Cultural Resources Overview of the Ozark-St. Francis National Forests, Arkansas.* Arkansas Archeological Survey, Fayetteville. Submitted to and published by USDA-Forest Service, Ozark-St. Francis Forests, Russelville, Contract No. 53-43ZP-1-00984

Santeford, Lawrence G.
1982 *A Management Summary for Testing of Sites on the Keo-Independence-Dell Transmission Corridor.* Report prepared by Arkansas Archeological Survey for Arkansas Power and Light Company.

Saucier, Roger T.
1974 *Quaternary Geology of the Lower Mississippi River Valley.* Arkansas Archeological Survey Research Series No. 6, Fayetteville.

Sjoberg, Alf
1976 *Cultural Resources Survey of Areas for Proposed Water System Improvements for the City of Tallapoosa, Missouri.* American Archeology Division, University of Missouri, Columbia.

Smith, Bruce D.
1978 *Prehistoric Patterns of Human Behavior.* Academic Press, New York.

Spears, Carol S.
1978 *The Derossitt Site (3SF49): Applications of Behavioral Archeology to a Museum Collection* M.A. Thesis, Department of Anthropology, University of Arkansas.

Thomas, Cyrus
1894 *Report on the Mound Explorations of the Bureau of Ethnology.* Bureau of American Ethnology 12th Annual Report.

Thomas, Ronald A.
1969 *Breckenridge: a stratified shelter in northwest Arkansas.* M.A. thesis, Department of Anthropology, University of Arkansas.

Trubowitz, Neal
1984 *Cedar Grove*, Arkansas Archeological Survey, submitted to the New Orleans District Corps of Fngineers, Contract DACW29-81-C0059.

Walker, W. M., and R. M. Adams
1946 Excavations in the Mathews Site, New Madrid County Missouri. *Transactions of the Academy of Science of St. Louis* 31(4):75-120.

Webb, Clarence H.
1968 the extent and content of Poverty Point culture. *American Antiquity* 33:279-321.

Weichman, Michael S.
1978 *Guidelines for Contract Cultural Resource Survey Reports and Professional Qualifications.* Department of Natural History, Office of Historic Preservation, Jefferson City, Missouri.

1979 *Guidelines for Reporting Phase II Testing of Archeological Site Significance and Evaluation of National Register Eligibility.*

Department of Natural History, Office of Historic Preservation, Jefferson City, Missouri.

Willey, Gordon R., and Philip Phillips
1958 *Method and Theory in American Archeology* University of Chicago Press, Chicago, IL.

Williams, J. Raymond
1968 *Southeast Missouri Land Leveling Salvage Archeology, 1967* Submitted to National Park Service, Midwest Region, Lincoln, Nebraska by the Department of Anthropology, University of Missouri, Columbia.

1974 *The Baytown Phases in the Cairo Lowland of Southeast Missouri.* The Missouri Archaeologist, Vol. 36.

Williams, Stephen
1954 *An Archeological Study of the Mississippian Culture in Southeast Missouri.* Unpublished Ph.D. Dissertation, Department of Anthropology, Yale University.

1984 The 1984 Lower Mississippi Valley Survey's work in the Boef Basin. Paper presented at the 41st Southeastern Archeological Conference, Pensacola, Florida.

Wood, W. Raymond
1963 Breckenridge Shelter -- 3CR2: An Archeological Chronicle in the Beaver Reservoir area. In *Arkansas Archeology 1962*, edited by C. R. McGimsey III, pp. 67-96. Arkansas Archeological Society, Fayetteville.

APPENDIX A

ARTIFACT CATALOGUE OF MATERIALS RECOVERED IN DITCH 19, DUNKLIN AND STODDARD COUNTIES, MISSOURI

This a complete list of the artifacts recovered in this project. Types used are as define in Kaczor et al. 1983, Lafferty et al. 1981, and Futato 1983.

LIST OF ABBREVIATIONS

Abrad - Abrader
Albalb - Albany slip, interior and exterior
Albbrs - Albany and bristol slipped
Albsal - Albany and salt glaze slipped
Alboth - Albany and other unidentified slip
Albun - Albany slip and unglazed
Abort - Aborted during manufacture.
Alum - Aluminum
Aluvcob - Cobble or gravel worn by alluvial action.
Ammo - Historic ammunition.
Anim - Animal remains.
Barbwi - Barbed wire
Bat - Battered
Batcor - Battery core
Bcap - Bottle cap
Bdbase - Pottery fragment with parts of body and base present.
Bifk - Biface.
Bneck - Bottleneck
Bodyfg - Ceramic body sherd less than 1/2" maximum dimension.
Brsbrs - Bristol slip interior and exterior
Brsoth -Bristol and other unidentified slip
Bthin - Bifacial thinning flake.
Cal - Calcified.
Canc - Cannel coal
Cg - Chipped and ground lithic
Chaa- Celt-hoe-axe
Charc - Charcoal.
Chnk - Chunk
Chop - Chopper.
CL - Chipped lithic
Cm - Centimeter.
Cobl - Cobble
Cobbrs - Cobalt blue and Bristol slip
Cobcob - Cobalt blue interior and exterior
Conc - Concretion
Cong - Conglomerate
Cncrete - Concrete
Cornt - Corner notched
Cpoly - Clear, polychrome
Cri - Corc-impressed

LIST OF ABBREVIATIONS

Crmk - Cord-marked
Crscnt - Crescent
Crr - Crowley's Ridge red gravel
Crt - Chert.
Crt-brec - Chert breccia.
Cry - Crowley's Ridge yellow gravel
Ctx - Cortex on platform
Cylind - Cylindrical in shape.
Dbrn - Dark brown
Deb - Pottery manufacturing debris
Dec - Decorated
Decal - Decalcomania
Decort - Decortication flake.
Dent - Denticulate.
Ds - Distal.
Earth - Earthenware
Engra - Engraved
Eucer - European ceramic
Exhaus - Exhausted core.
Expnst - Expanding stemmed
Fc - Fire cracked rock
Fclay - Fired clay.
Fers - Ferrous metal
Fig - Figurine
Fing - Fingernail punctate
Fla - Flake.
Flor - Floral remains.
Flot - Flotation sample.
Fossi - Fossil fuel derived
Fr - Fragment.
Grad - Granitoid
Graph - Graphite
Grav - Gravel
Grip - Grinding, pounding tool
Grl - Groundstone lithic
Grosan - Ground and sand tempering
Grosh - Grog and shell tempering.
Gshell - Gun shell.
Ham - Hammerstone
Hbolt - Hex head bolt
Hem - Hematite
Hlith - Historic lithic
Hpaint - Hand painted
HT - Heated
Inci - Incised
Ind - Indeterminant
Indun - Indeterminanat glaze and unglazed
Inen - Incised or Engraved
Insul - Insulator
Jbase - Jar base
Jlid - Jar lid
Jrim - Jar rim
Lav - Lavender

LIST OF ABBREVIATIONS

Lblue - Light blue
Leath - Leather
Lgrn - Light green
Lim - Limonite
Linm - Linoleum
Linpu - Linear punctate
LS - Limestone
Lunate - byproduct of point notching, semicircular in planview.
Mang - Manganese
Marcom - Complete Makers mark
Marpar - Partial Makers mark
Metobj - Metal object.
Md - Mid-section of projectile point.
Mdir - Multi-directional core, ' flakes removed in multiple directions from core surface
Mdlobj - Ceramic modeled object
Millcr - Mill Creek
Min - Mineralized
Mjar - Mason jar
Mlid - Mason jar lid
Monog - Monochrome glaze
MPT - Multi-purpose tool.
Nov - Novaculite
Nutbol - Nut with bolt
Octag - Octagonal
Ohist - Other unidentified historic material
Ool - Oolitic chert.
Oqz - Orthoquartzite
Pebl - Pebble
Pewd - Petrified wood
Pebto - Pebble tool.
Pel - Pottery pellet.
Perf - Perforator.
Pigeon - Clay pigeon
Pits - Pitted stone
Plast - Plastic
Polis - Polish
Poly - Polychrome glaze
Porce - Porcelain
Pot - Prehistoric pottery.
Pover - Polychrome overglaze
PPK - Projectile point/knife
PPO - Poverty Point object
Press - Pressed glass
Ptlid - Potlid.
Punct - Punctated
Px - Proximal fragment.
Qzit - Quartzite.
Qtz - Quartz
Qxl - Quartz crystal
Rimfg - Pottery rim fragment ((1.2")

LIST OF ABBREVIATIONS

Rtreat - Rim decorative treatment
Redwar - Redware
RSB - Round seam on base
RUM - Retouched, utilized or modified
Salsal - Salt glaze, interior and exterior
Sbasal - Round seam on basal edge
Scolla - Seam, up to collar
Scr - Scraper.
Shap - Shaped
Shat - Shatter.
Shed - Shell and sand tempered.
Sheqzt - Shell and quartzite tempered.
Shelsa - Shell and sand tempered
Shesag - Shell, sand and grog tempered.
Shing - Shingle
Sftlp - Soft hammer lip on flake.
Simsp - Simple stamped
Sind - Side and end
Spoks - Spokeshave.
Sqre - Square
Sqbase - Square base
Sshldr - Seam vertical up body and horizontal around shoulder
SS - Sandstone.
St I - Early stage of biface production.
St II - Middle stage of biface production.
StIII - Late stage of biface production.
Stonew - Stoneware
Syn - Synthetic
Table - Tableware
Thimbl - Thimble
Trans - Transfer print
TPT - Toothpaste tube
Undec - Undecorated
Unmod - Unmodified
Urm - Unmodified raw material
Wea - Weathered.

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
--> SITENO = 23DU284										
200.00	64.00	CSC		0.00 - 0.00	50.00	1	SYN	IND		
200.00	70.00	CSC		0.00 - 0.00	9.10	1	CL	SHAT	CRY	
200.00	70.00	CSC		0.00 - 0.00	232.40	1	CL	COBL	TESTED	
200.00	76.00	CSC		0.00 - 0.00	6.20	1	CL	FLA	DECORT	CRP
200.00	76.00	CSC		0.00 - 0.00	2.50	1	CL	FLA	DECORT	CRY
200.00	82.00	CSC		0.00 - 0.00	9.40	1	CL	FLA	DECORT	CRY
200.00	82.00	CSC		0.00 - 0.00	2.60	3	CL	FLA	CRY	
200.00	82.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	CRP	
200.00	82.00	CSC		0.00 - 0.00	2.40	2	CL	FLA	DECORT	CRP
200.00	88.00	CSC		0.00 - 0.00	2.30	3	CL	FLA	CRY	
200.00	94.00	CSC		0.00 - 0.00	1.50	2	CL	FLA	CRY	
200.00	94.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	DECORT	CRY
200.00	94.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	CRP	
200.00	94.00	CSC		0.00 - 0.00	15.40	4	CL	FLA	DECORT	CRY
200.00	94.00	CSC		0.00 - 0.00	1.20		POT	BODYFG	SAND	
200.00	94.00	CSC		0.00 - 0.00	0.10		SHELL			
200.00	100.00	CSC		0.00 - 0.00	1.90		POT	BODYFG	SAND	
200.00	100.00	CSC		0.00 - 0.00	8.00	3	CL	FLA	DECORT	CRY
200.00	100.00	CSC		0.00 - 0.00	4.10	2	CL	FLA	CRY	
200.00	106.00	CSC		0.00 - 0.00	4.00	1	POT	BODY	SAND	
200.00	106.00	CSC		0.00 - 0.00	1.80	2	CL	FLA	CRY	
200.00	112.00	CSC		0.00 - 0.00	2.60	1	POT	BODY	SAND	
200.00	112.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRP
200.00	112.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRY	
200.00	112.00	CSC		0.00 - 0.00	2.50	2	CL	FLA	CRP	
200.00	112.00	CSC		0.00 - 0.00	1.50	1	CL	FLA	DECORT	CRP
200.00	118.00	CSC		0.00 - 0.00	6.70	2	POT	BODY	SAND	
200.00	118.00	CSC		0.00 - 0.00	2.40	4	CL	FLA	DECORT	CRY
200.00	118.00	CSC		0.00 - 0.00	3.20	3	CL	FLA	CRY	
200.00	118.00	CSC		0.00 - 0.00	1.10	4	CL	FLA	CRP	
200.00	118.00	CSC		0.00 - 0.00	2.50	1	CL	FLA	DECORT	CRP
200.00	118.00	CSC		0.00 - 0.00	5.30	1	CL	FLA	DECORT	CRT
206.00	100.00	CSC		0.00 - 0.00	13.80	4	CL	FLA	DECORT	CRY
206.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	CRY	
206.00	100.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	DECORT	CRP
206.00	100.00	CSC		0.00 - 0.00	9.40	2	CL	FLA	CRP	
206.00	100.00	CSC		0.00 - 0.00	17.40	1	CL	BIFK	ST1	CRY
212.00	100.00	CSC		0.00 - 0.00	5.30	2	POT	BODY	CRMK	SAND
212.00	100.00	CSC		0.00 - 0.00	22.10	2	CL	FLA	DECORT	CRP
212.00	100.00	CSC		0.00 - 0.00	2.50	4	CL	FLA	CRP	
212.00	100.00	CSC		0.00 - 0.00	70.20	2	CL	SHAT	CRY	
212.00	100.00	CSC		0.00 - 0.00	11.50	4	CL	FLA	DECORT	CRY
212.00	100.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	CRT	
212.00	100.00	CSC		0.00 - 0.00	23.30	1	CL	FLA	CRY	
212.00	100.00	CSC		0.00 - 0.00	356.00	1	GRL	GRIP	QRZ	
218.00	100.00	CSC		0.00 - 0.00	0.90	1	GLASS	MOLD		
218.00	100.00	CSC		0.00 - 0.00	7.00	5	CL	FLA	DECORT	CRP
218.00	100.00	CSC		0.00 - 0.00	1.70	4	CL	FLA	CRP	
218.00	100.00	CSC		0.00 - 0.00	6.00	2	POT	BODY	SAND	
218.00	100.00	CSC		0.00 - 0.00	6.20	2	CL	FLA	DECORT	CRP
218.00	100.00	CSC		0.00 - 0.00	2.10	4	CL	FLA	CRY	
218.00	100.00	CSC		0.00 - 0.00	75.30	2	CL	SHAT	CRY	
224.00	100.00	CSC		0.00 - 0.00	13.40	1	CL	SCR	RSHARP	CRT
224.00	100.00	CSC		0.00 - 0.00	5.10	1	POT	BODY	SAND	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU28A										
224.00	100.00	CSC		0.00 - 0.00	3.40	1	POT	BODY	CRMK	SAND
224.00	100.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	OQZ	
224.00	100.00	CSC		0.00 - 0.00	6.40	8	CL	FLA	CRY	
224.00	100.00	CSC		0.00 - 0.00	5.90	5	CL	FLA	CRP	
224.00	100.00	CSC		0.00 - 0.00	2.20	3	CL	FLA	DECORT	CRP
224.00	100.00	CSC		0.00 - 0.00	4.30	1	CL	FLA	SFTLP	CRP
230.00	100.00	CSC		0.00 - 0.00	7.10	2	POT	BODY	SAND	
230.00	100.00	CSC		0.00 - 0.00	5.30	2	POT	BODY	CRMK	SAND
230.00	100.00	CSC		0.00 - 0.00	5.50	6	CL	FLA	DECORT	CRY
230.00	100.00	CSC		0.00 - 0.00	3.50	6	CL	FLA	CRY	
230.00	100.00	CSC		0.00 - 0.00	3.00	8	CL	FLA	CRP	
230.00	100.00	CSC		0.00 - 0.00	5.70	8	CL	FLA	DECORT	CRP
230.00	100.00	CSC		0.00 - 0.00	2.20	1	CL	CORE	CRY	
236.00	100.00	CSC		0.00 - 0.00	5.20	1	GLASS	BRIM	DBLUE	
236.00	100.00	CSC		0.00 - 0.00	5.20	2	POT	BODY	CRMK	SAND
236.00	100.00	CSC		0.00 - 0.00	4.30		POT	BODYFG	SAND	
236.00	100.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	OQZ	
236.00	100.00	CSC		0.00 - 0.00	6.50	5	CL	FLA	DECORT	CRP
236.00	100.00	CSC		0.00 - 0.00	1.20	2	CL	FLA	SFTLP	CRP
236.00	100.00	CSC		0.00 - 0.00	3.70	1	CL	FLA	RUM	CRY
236.00	100.00	CSC		0.00 - 0.00	2.90	5	CL	FLA	CRP	
236.00	100.00	CSC		0.00 - 0.00	3.50	4	CL	FLA	CRY	
236.00	100.00	CSC		0.00 - 0.00	4.20	2	CL	FLA	DECORT	CRY
242.00	100.00	CSC		0.00 - 0.00	3.90	9	CL	FLA	CRP	
242.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	DECORT	CRP
242.00	100.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	CRY	
242.00	100.00	CSC		0.00 - 0.00	6.10	4	CL	FLA	DECORT	CRY
242.00	100.00	CSC		0.00 - 0.00	25.80	1	CL	FLA	DECORT	OQZ
242.00	100.00	CSC		0.00 - 0.00	3.30		POT	BODYFG	SAND	
248.00	100.00	CSC		0.00 - 0.00	12.50	3	CL	FLA	CRY	
248.00	100.00	CSC		0.00 - 0.00	0.70	1	CL	FLA	SFTLP	CRY
248.00	100.00	CSC		0.00 - 0.00	1.90	2	CL	FLA	DECORT	CRY
248.00	100.00	CSC		0.00 - 0.00	6.60	1	CL	FLA	DECORT	OQZ
248.00	100.00	CSC		0.00 - 0.00	1.70	1	CL	FLA	CRT	
248.00	100.00	CSC		0.00 - 0.00	4.70	2	CL	FLA	DECORT	CRP
248.00	100.00	CSC		0.00 - 0.00	0.50	4	CL	FLA	CRP	
248.00	100.00	CSC		0.00 - 0.00	11.90	6	POT	BODY	SAND	
254.00	100.00	CSC		0.00 - 0.00	1.10		POT	BODYFG	SAND	
254.00	100.00	CSC		0.00 - 0.00	243.40	1	GRL	HAM	CRY	
254.00	100.00	CSC		0.00 - 0.00	9.10	1	CL	FLA	WHCRT	
254.00	100.00	CSC		0.00 - 0.00	5.50	1	CL	FLA	DECORT	CRY
254.00	100.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	CRY	
254.00	100.00	CSC		0.00 - 0.00	3.00	1	CL	FLA	SFTLP	CRP
254.00	100.00	CSC		0.00 - 0.00	6.20	2	CL	FLA	DECORT	CRP
254.00	100.00	CSC		0.00 - 0.00	3.90	1	CL	FLA	DECORT	OQZ
260.00	100.00	CSC		0.00 - 0.00	2.40	1	POT	BODY	CRMK	SAND
260.00	100.00	CSC		0.00 - 0.00	11.00	3	POT	BODY	SAND	
260.00	100.00	CSC		0.00 - 0.00	3.40		POT	BODYFG	SAND	
260.00	100.00	CSC		0.00 - 0.00	0.50	1	GLASS	CURVE		
260.00	100.00	CSC		0.00 - 0.00	5.60	1	STONEW	ALBALB		
260.00	100.00	CSC		0.00 - 0.00	6.80	3	CL	FLA	DECORT	CRP
260.00	100.00	CSC		0.00 - 0.00	0.60	3	CL	FLA	CRP	
260.00	100.00	CSC		0.00 - 0.00	7.20	9	CL	FLA	CRY	
260.00	100.00	CSC		0.00 - 0.00	8.30	3	CL	FLA	DECORT	CRY
266.00	100.00	CSC		0.00 - 0.00	9.50	4	CL	FLA	DECORT	CRP
266.00	100.00	CSC		0.00 - 0.00	8.30	3	CL	FLA	DECORT	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITEMO = 23DU28A										
266.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	DECORT	OOZ
266.00	100.00	CSC		0.00 - 0.00	15.80	3	CL	SHAT	OOZ	
266.00	100.00	CSC		0.00 - 0.00	0.70	2	CL	FLA	SFTLP	CRR
266.00	100.00	CSC		0.00 - 0.00	4.90	8	CL	FLA	CRR	
266.00	100.00	CSC		0.00 - 0.00	3.40	1	CL	FLA	CRY	
266.00	100.00	CSC		0.00 - 0.00	2.70	2	POT	BODY	CRMK	SAND
266.00	100.00	CSC		0.00 - 0.00	3.20	2	POT	BODY	SAND	
272.00	100.00	CSC		0.00 - 0.00	5.10	2	WHITEW	BODY		
272.00	100.00	CSC		0.00 - 0.00	4.10	1	STONEW	BODY	ALBALB	
272.00	100.00	CSC		0.00 - 0.00	7.40	1	GLASS	CURVE		
272.00	100.00	CSC		0.00 - 0.00	5.70	1	GLASS	CURVE		
272.00	100.00	CSC		0.00 - 0.00	2.40	1	GLASS	CURVE		
272.00	100.00	CSC		0.00 - 0.00	4.10	2	CL	FLA	OOZ	
272.00	100.00	CSC		0.00 - 0.00	55.70	1	METAL	FILE	FERR	
272.00	100.00	CSC		0.00 - 0.00	9.40	2	POT	BODY	CRMK	SAND
272.00	100.00	CSC		0.00 - 0.00	0.90	4	POT	BODY	SAND	
272.00	100.00	CSC		0.00 - 0.00	0.50	2	CL	FLA	SFTLP	CRY
272.00	100.00	CSC		0.00 - 0.00	15.50	7	CL	FLA	CRY	
272.00	100.00	CSC		0.00 - 0.00	29.80	4	CL	FLA	DECORT	CRY
272.00	100.00	CSC		0.00 - 0.00	3.00	3	CL	FLA	CRR	
272.00	100.00	CSC		0.00 - 0.00	16.90	3	CL	FLA	DECORT	CRR
272.00	100.00	CSC		0.00 - 0.00	10.00	1	CL	DART	EXPNST	CRY
272.00	100.00	CSC		0.00 - 0.00	14.40	1	CL	DART	RSHARP	CRY
272.00	100.00	CSC		0.00 - 0.00	18.60	1	CL	DRAWL	CRY	
278.00	100.00	CSC		0.00 - 0.00	124.80	1	CL	COBL	TESTED	CRY
278.00	100.00	CSC		0.00 - 0.00	26.10	6	CL	FLA	DECORT	CRY
278.00	100.00	CSC		0.00 - 0.00	2.80	4	CL	FLA	CRY	
278.00	100.00	CSC		0.00 - 0.00	2.50	4	CL	FLA	DECORT	CRR
278.00	100.00	CSC		0.00 - 0.00	2.20	1	CL	FLA	SFTLP	CRR
278.00	100.00	CSC		0.00 - 0.00	0.80	3	CL	FLA	CRR	
284.00	100.00	CSC		0.00 - 0.00	18.60	1	CL	FLA	CRT	
284.00	100.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	DECORT	CRY
284.00	100.00	CSC		0.00 - 0.00	5.70	3	CL	FLA	DECORT	CRR
284.00	100.00	CSC		0.00 - 0.00	1.30	3	CL	FLA	CRY	
284.00	100.00	CSC		0.00 - 0.00	1.90	4	CL	FLA	CRR	
284.00	100.00	CSC		0.00 - 0.00	6.20	3	CL	FLA	SFTLP	CRR
284.00	100.00	CSC		0.00 - 0.00	6.30	3	POT	BODY	SAND	
284.00	100.00	CSC		0.00 - 0.00	5.10	1	POT	BODY	CRMK	SAND
290.00	100.00	CSC		0.00 - 0.00	94.50	1	CL	CORE	CRY	
290.00	100.00	CSC		0.00 - 0.00	35.10	1	CL	BIFK	ST1	CRY
290.00	100.00	CSC		0.00 - 0.00	5.40	3	CL	FLA	DECORT	CRR
290.00	100.00	CSC		0.00 - 0.00	8.70	1	CL	FLA	DECORT	CRY
290.00	100.00	CSC		0.00 - 0.00	7.00	2	CL	FLA	SFTLP	CRY
290.00	100.00	CSC		0.00 - 0.00	1.40	3	CL	FLA	CRY	
290.00	100.00	CSC		0.00 - 0.00	2.60	2	CL	FLA	DECORT	CRT
290.00	100.00	CSC		0.00 - 0.00	0.50	2	CL	FLA	CRR	
290.00	100.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRR
290.00	100.00	CSC		0.00 - 0.00	2.60	1	CL	FLA	DECORT	OOZ
290.00	100.00	CSC		0.00 - 0.00	0.60	1	CL	FLA	OOZ	
290.00	100.00	CSC		0.00 - 0.00	7.20	3	POT	BODY	SAND	
290.00	100.00	CSC		0.00 - 0.00	2.70	1	POT	BODY	CRMK	SAND
290.00	100.00	CSC		0.00 - 0.00	294.50	1	GRL	HAM	IND	
296.00	100.00	CSC		0.00 - 0.00	52.80	6	CL	FLA	DECORT	CRY
296.00	100.00	CSC		0.00 - 0.00	5.10	6	CL	FLA	CRY	
296.00	100.00	CSC		0.00 - 0.00	1.40	1	CL	FLA	DECORT	CRR
296.00	100.00	CSC		0.00 - 0.00	12.10	5	CL	FLA	CRR	

North	East	Unit	Unit#	Top-Depth-Bt#	Wt	Ct	Acronyms ...			
SITENO = 23BL284										
296.00	100.00	CSC		0.00 - 0.00	20.00	1	CL	SHAT	CRP	
296.00	100.00	CSC		0.00 - 0.00	5.10	2	CL	FLA	OQZ	
296.00	100.00	CSC		0.00 - 0.00	38.00	1	CL	CORE	CRY	
296.00	100.00	CSC		0.00 - 0.00	8.70	1	CL	BIFK	CRP	FP
296.00	100.00	CSC		0.00 - 0.00	11.80	3	POT	BODY	SAND	
296.00	100.00	CSC		0.00 - 0.00	3.80	2	POT	BODY	SHELL	
296.00	100.00	CSC		0.00 - 0.00	49.70	2	URM	CHNK	HEM	
302.00	100.00	CSC		0.00 - 0.00	2.90		POT	BODYFG	SAND	
302.00	100.00	CSC		0.00 - 0.00	1.60	2	CL	FLA	SFTLP	CRY
302.00	100.00	CSC		0.00 - 0.00	1.90	5	CL	FLA	CRY	
302.00	100.00	CSC		0.00 - 0.00	5.70	5	CL	FLA	DECORT	CRY
302.00	100.00	CSC		0.00 - 0.00	7.30	5	CL	FLA	DECORT	CRP
302.00	100.00	CSC		0.00 - 0.00	5.80	8	CL	FLA	CRP	
302.00	100.00	CSC		0.00 - 0.00	288.60	2	CL	CORE	CRY	
308.00	100.00	CSC		0.00 - 0.00	3.60	3	CL	FLA	CRY	
308.00	100.00	CSC		0.00 - 0.00	2.30	3	CL	FLA	CRP	
308.00	100.00	CSC		0.00 - 0.00	25.40	5	CL	FLA	DECORT	CRP
308.00	100.00	CSC		0.00 - 0.00	39.10	1	CL	BIFK	ST2	CRP
308.00	100.00	CSC		0.00 - 0.00	1.80	1	POT	BODY	SAND	
308.00	100.00	CSC		0.00 - 0.00	2.20	1	POT	BODY	CRMK	SAND
308.00	100.00	CSC		0.00 - 0.00	4.00	1	STONEW	BODY	ALBALB	
314.00	100.00	CSC		0.00 -	39.00	4	CL	FLA	DECORT	CRY
314.00	100.00	CSC		0.00 - 0.00	5.60	4	CL	FLA	CRY	
314.00	100.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	SFTLP	CRY
314.00	100.00	CSC		0.00 - 0.00	14.30	4	CL	FLA	DECORT	CRP
314.00	100.00	CSC		0.00 - 0.00	1.60	2	CL	FLA	CRP	
314.00	100.00	CSC		0.00 - 0.00	6.60	1	CL	FLA	DECORT	CRT
314.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	OQZ	
314.00	100.00	CSC		0.00 - 0.00	6.10	1	CL	SHAT	OQZ	
314.00	100.00	CSC		0.00 - 0.00	76.80	1	CL	SHAT	CRT	
314.00	100.00	CSC		0.00 - 0.00	25.80	1	CL	SHAT	CRP	
314.00	100.00	CSC		0.00 - 0.00	9.30	1	CL	PPK	IND	MD
314.00	100.00	CSC		0.00 - 0.00	7.90	5	POT	BODY	SAND	
314.00	100.00	CSC		0.00 - 0.00	8.60	2	POT	BODY	CRMK	SAND
314.00	100.00	CSC		0.00 - 0.00	2.70	2	POT	BODY	SHELL	
314.00	100.00	CSC		0.00 - 0.00	1.10	1	URM	CHNK	HEM	
320.00	100.00	CSC		0.00 - 0.00	3.30	1	POT	BODY	SAND	
320.00	100.00	CSC		0.00 - 0.00	2.80	2	POT	BODYFG	SAND	
320.00	100.00	CSC		0.00 - 0.00	4.40	2	CL	FLA	SFTLP	CRP
320.00	100.00	CSC		0.00 - 0.00	0.30	2	CL	FLA	CRP	
320.00	100.00	CSC		0.00 - 0.00	4.90	2	CL	FLA	CRY	
320.00	100.00	CSC		0.00 - 0.00	9.20	4	CL	FLA	DECORT	CRY
320.00	100.00	CSC		0.00 - 0.00	6.20	1	CL	FLA	DECORT	CRT
320.00	100.00	CSC		0.00 - 0.00	2.30	5	CL	FLA	SFTLP	CRY
326.00	100.00	CSC		0.00 - 0.00	0.80		POT	BODYFG	SHELL	
326.00	100.00	CSC		0.00 - 0.00	0.50	2	CL	FLA	CRY	
326.00	100.00	CSC		0.00 - 0.00	2.10	2	CL	FLA	DECORT	CRY
326.00	100.00	CSC		0.00 - 0.00	1.10	1	CL	FLA	DECORT	CRP
326.00	100.00	CSC		0.00 - 0.00	6.90	2	CL	FLA	CRP	
332.00	100.00	CSC		0.00 - 0.00	2.40	3	CL	FLA	CRY	
332.00	100.00	CSC		0.00 - 0.00	6.60	6	CL	FLA	DECORT	CRY
332.00	100.00	CSC		0.00 - 0.00	1.50	3	CL	FLA	CRP	
332.00	100.00	CSC		0.00 - 0.00	2.80	2	POT	BODY	SAND	
332.00	100.00	CSC		0.00 - 0.00	5.30	2	CL	FLA	DECORT	CRP
332.00	100.00	CSC		0.00 - 0.00	44.40	1	CL	COBL	TESTED	CRY
338.00	100.00	CSC		0.00 - 0.00	46.20	4	CL	FLA	DECORT	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23BU284										
338.00	100.00	CSC		0.00 - 0.00	8.50	2	CL	FLA	DECORT	CRR
338.00	100.00	CSC		0.00 - 0.00	0.80	2	CL	FLA	SFTLP	CRR
338.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	CRR	
338.00	100.00	CSC		0.00 - 0.00	2.10	1	POT	BODY	SAND	
338.00	100.00	CSC		0.00 - 0.00	11.50		URM	CHNK	FC	
344.00	100.00	CSC		0.00 - 0.00	9.50	3	CL	FLA	DECORT	CRR
344.00	100.00	CSC		0.00 - 0.00	6.50	1	CL	SHAT	CRR	
344.00	100.00	CSC		0.00 - 0.00	0.70	2	CL	FLA	SFTLP	CRR
344.00	100.00	CSC		0.00 - 0.00	5.30	1	CL	FLA	CRR	
344.00	100.00	CSC		0.00 - 0.00	8.40	3	CL	FLA	DECORT	CRY
344.00	100.00	CSC		0.00 - 0.00	4.10	1	CL	FLA	DECORT	CRY
344.00	100.00	CSC		0.00 - 0.00	3.00	2	CL	FLA	CRY	
344.00	100.00	CSC		0.00 - 0.00	7.00	3	POT	BODY	SAND	
344.00	100.00	CSC		0.00 - 0.00	47.10	1	CL	BIFK	ST1	CRY
344.00	100.00	CSC		0.00 - 0.00	984.00	1	METAL	AXHEAD	FERS	
350.00	100.00	CSC		0.00 - 0.00	7.40	2	POT	BODY	SAND	
350.00	100.00	CSC		0.00 - 0.00	7.00	2	POT	BODY	CRMK	SAND
350.00	100.00	CSC		0.00 - 0.00	2.40		POT	BODYFG	SAND	
350.00	100.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	DECORT	CRR
350.00	100.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	CRR	
350.00	100.00	CSC		0.00 - 0.00	70.80	1	CL	COBL	TESTED	CRY
356.00	100.00	CSC		0.00 - 0.00	2.50	1	POT	BODY	SAND	
356.00	100.00	CSC		0.00 - 0.00	5.10	1	CL	FLA	DECORT	CRY
356.00	100.00	CSC		0.00 -	0.70	1	CL	FLA	CRY	
356.00	100.00	CSC		0.00 - 0.00	98.00	1	CL	CORE	CRY	
374.00	100.00	CSC		0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRY
374.00	100.00	CSC		0.00 - 0.00	6.50	1	CL	FLA	DECORT	CRR
374.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	CRY	
374.00	100.00	CSC		0.00 - 0.00	9.10	1	GLASS	CURVE		
374.00	100.00	CSC		0.00 - 0.00	1.40	1	URM	CHNK	CRR	FC
380.00	100.00	CSC		0.00 - 0.00	1.70	1	CL	FLA	CRR	
272.00	95.00	1X1M		0.00 - 0.00	2.70	1	GLASS	MJLID	MILK	
272.00	95.00	1X1M		0.00 - 0.00	0.60	1	CL	FLA	DECORT	CRY
272.00	95.00	1X1M		0.00 - 0.00	3.80	1	CL	FLA	DECORT	CRR
272.00	95.00	1X1M		0.00 - 0.00	1.10	1	CL	FLA	SFTLP	CRR
272.00	95.00	1X1M		0.00 - 0.00	19.20	1	CL	BIFK	ST1	CRY
272.00	95.00	1X1M		0.00 - 0.00	3.10	1	POT	BODY	CRMK	SAND
272.00	95.00	1X1M		0.00 - 15.00	26.30	24	CL	FLA	DECORT	CRR
272.00	95.00	1X1M		0.00 - 15.00	1.20	2	CL	FLA	SFTLP	CRR
272.00	95.00	1X1M		0.00 - 15.00	10.00	13	CL	FLA	CRR	
272.00	95.00	1X1M		0.00 - 15.00	0.30	2	CL	FLA	SFTLP	CRT
272.00	95.00	1X1M		0.00 - 15.00	2.50	2	CL	FLA	DECORT	QQZ
272.00	95.00	1X1M		0.00 - 15.00	2.50	1	CL	FLA	SFTLP	QQZ
292.00	95.00	1X1M		0.00 - 15.00	3.30	1	CL	FLA	QQZ	
272.00	95.00	1X1M		0.00 - 15.00	3.50	6	URM	CHNK	HEM	
272.00	95.00	1X1M		0.00 - 15.00	0.80	1	CL	SHAT	CRY	
272.00	95.00	1X1M		0.00 - 15.00	1.10	2	CL	FLA	SFTLP	CRY
272.00	95.00	1X1M		0.00 - 15.00	2.40	4	CL	FLA	SFTLP	CRY
272.00	95.00	1X1M		0.00 - 15.00	21.30	13	CL	FLA	DECORT	CRY
272.00	95.00	1X1M		0.00 - 15.00	10.00	25	CL	FLA	CRY	
272.00	95.00	1X1M		0.00 - 15.00	26.50	8	POT	BODY	CRMK	SAND
272.00	95.00	1X1M		0.00 - 15.00	21.60	9	POT	BODY	SAND	
272.00	95.00	1X1M		0.00 - 15.00	22.50		POT	BODYFG	SAND	
272.00	95.00	1X1M		0.00 - 15.00	2.30		POT	BODYFG	SHELL	
272.00	95.00	1X1M		0.00 - 15.00	0.90	1	CL	BIFK	CRR	FP
292.00	95.00	1X1M		0.00 - 15.00	6.50	1	CL	BIFK	QQZ	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23SU29A										
272.00	95.00	1X1M		0.00 - 15.00	1.20	1	BRICK	FP		
272.00	95.00	1X1M		0.00 - 15.00	1.60	1	GLASS	CURVE		
272.00	95.00	1X1M		0.00 - 15.00	0.10	1	GLASS	CURVE		
272.00	95.00	1X1M		15.00 - 25.00	3.80		POT	BODYFG	SAND	
272.00	95.00	1X1M		15.00 - 25.00	2.50	1	POT	BODY	SAND	
272.00	95.00	1X1M		15.00 - 25.00	6.30	4	WHITEW	BASE		
272.00	95.00	1X1M		15.00 - 25.00	1.20	2	GLASS	CURVE		
272.00	95.00	1X1M		15.00 - 25.00	12.00	8	METAL	TCPS		
272.00	95.00	1X1M		15.00 - 25.00	2.10	3	GLASS	CURVE		
272.00	95.00	1X1M		15.00 - 25.00	4.20	7	GLASS	CURVE		
272.00	95.00	1X1M		15.00 - 25.00	0.50	1	CL	FLA	DECORT	ORN
272.00	95.00	1X1M		15.00 - 25.00	1.60	2	CL	FLA	DECORT	ORP
272.00	95.00	1X1M		15.00 - 25.00	6.10	5	CL	FLA	DECORT	ORN
272.00	95.00	1X1M		15.00 - 25.00	1.80	1	CL	FLA	DECORT	ORP
272.00	95.00	1X1M		15.00 - 25.00						
272.00	95.00	1X1M		15.00 - 25.00	4.70	1	CL	SHAT	ORT	
272.00	95.00	1X1M		15.00 - 25.00	0.10	1	CL	FLA	ORT	
194.00	118.00	CSC		0.00 - 0.00	10.00	3	CL	FLA	DECORT	ORP
194.00	118.00	CSC		0.00 - 0.00	1.80	1	CL	FLA	ORP	
194.00	118.00	CSC		0.00 - 0.00	37.50	3	CL	FLA	DECORT	ORN
194.00	118.00	CSC		0.00 - 0.00	2.50	6	POT	BODY	ORMK	SAND
194.00	118.00	CSC		0.00 - 0.00	2.00	1	POT	BODY	SHED	
194.00	118.00	CSC		0.00 - 0.00	14.40	4	POT	BODY	SAND	
194.00	118.00	CSC		0.00 - 0.00	0.60		POT	BODYFG	SHELL	
188.00	118.00	CSC		0.00 - 0.00	1.90	1	CL	BIFN	WHCRT	FP
188.00	118.00	CSC		0.00 - 0.00	4.10	1	POT	BODY	ORMK	SAND
188.00	118.00	CSC		0.00 - 0.00	9.40	1	POT	BODY	SAND	
188.00	118.00	CSC		0.00 - 0.00	2.00		POT	BODYFG	SAND	
188.00	118.00	CSC		0.00 - 0.00	1.30		POT	BODYFG	ORMK	SAND
188.00	118.00	CSC		0.00 - 0.00	0.60		POT	BODYFG	SHELL	
188.00	118.00	CSC		0.00 - 0.00	8.60	3	CL	FLA	DECORT	ORP
188.00	118.00	CSC		0.00 - 0.00	2.60	2	CL	FLA	ORP	
188.00	118.00	CSC		0.00 - 0.00	8.20	5	CL	FLA	ORY	
188.00	118.00	CSC		0.00 - 0.00	11.70	5	CL	FLA	DECORT	ORY
182.00	118.00	CSC		0.00 - 0.00	10.20	5	CL	FLA	ORY	
182.00	118.00	CSC		0.00 - 0.00	2.30	1	CL	FLA	DECORT	ORN
182.00	118.00	CSC		0.00 - 0.00	2.30	4	CL	FLA	DECORT	ORP
182.00	118.00	CSC		0.00 - 0.00	1.40	4	CL	FLA	ORP	
182.00	118.00	CSC		0.00 - 0.00	0.50	2	CL	FLA	OQZ	
182.00	118.00	CSC		0.00 - 0.00	10.40	3	POT	BODY	ORMK	SAND
182.00	118.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	ORT	
182.00	118.00	CSC		0.00 - 0.00	2.60	1	POT	PIM	ORMI	SAND
182.00	118.00	CSC		0.00 - 0.00	3.10	1	POT	BODY	SAND	
176.00	118.00	CSC		0.00 - 0.00	3.10	1	CL	FLA	OQZ	
176.00	118.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	SFTLP	ORP
176.00	118.00	CSC		0.00 - 0.00	51.40	9	CL	FLA	DECORT	ORN
176.00	118.00	CSC		0.00 - 0.00	11.10	5	CL	FLA	ORY	
176.00	118.00	CSC		0.00 - 0.00	17.10	5	CL	FLA	DECORT	ORP
176.00	118.00	CSC		0.00 - 0.00	7.50	1	CL	BIFN	ORP	FP
176.00	118.00	CSC		0.00 - 0.00	5.50	1	CL	PPL	EXPNST	ORP
176.00	118.00	CSC		0.00 - 0.00	2.90	3	POT	BODY	ORMI	SAND
176.00	118.00	CSC		0.00 - 0.00	34.00	7	POT	BODY	SAND	
176.00	118.00	CSC		0.00 - 0.00	0.50		POT	BODYFG	SHELL	
164.00	118.00	CSC		0.00 - 0.00	13.70	1	GRL	HAM	ORY	
164.00	118.00	CSC		0.00 - 0.00	7.70	5	CL	FLA	ORP	
164.00	118.00	CSC		0.00 - 0.00	3.60	3	CL	FLA	DECORT	ORP

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23BL284										
164.00	118.00	CSC		0.00 - 0.00	2.90	2	CL	FLA	CRY	
164.00	118.00	CSC		0.00 - 0.00	88.30	11	CL	FLA	DECORT	CRY
164.00	118.00	CSC		0.00 - 0.00	120.70	1	GRL	HAM	QBZ	
164.00	118.00	CSC		0.00 - 0.00	36.50	2	CL	SHAT	CRY	
164.00	118.00	CSC		0.00 - 0.00	42.50	1	CL	BIFK	STC	QBZ
164.00	118.00	CSC		0.00 - 0.00	27.20	1	CL	BIFK	STC	CRR
164.00	118.00	CSC		0.00 - 0.00	60.30	14	POT	BODY	SAND	
164.00	118.00	CSC		0.00 - 0.00	23.50	6	POT	BODY	CRMK	SAND
164.00	118.00	CSC		0.00 - 0.00	1.60	1	POT	RIM	INCI	SAND
164.00	118.00	CSC		0.00 - 0.00	2.70		POT	BODYFG	SAND	
158.00	118.00	CSC		0.00 - 0.00	75.00	1	CL	COBL	TESTED	QBZ
158.00	118.00	CSC		0.00 - 0.00	7.00	1	URM	CHNK	HEM	
158.00	118.00	CSC		0.00 - 0.00	57.70	4	CL	FLA	DECORT	CRY
158.00	118.00	CSC		0.00 - 0.00	7.60	1	CL	FLA	DECORT	CRY
158.00	118.00	CSC		0.00 - 0.00	16.70	4	CL	FLA	DECORT	CRR
158.00	118.00	CSC		0.00 - 0.00	2.10	2	CL	FLA	CRY	
158.00	118.00	CSC		0.00 - 0.00	2.50	1	CL	SHAT	CRY	
158.00	118.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	CRR	
158.00	118.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	SFTLP	CRR
158.00	118.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	WHCRT	
158.00	118.00	CSC		0.00 - 0.00	4.40	1	POT	BODY	SAND	
158.00	118.00	CSC		0.00 - 0.00	92.20	1	CL	CORE	CRY	
158.00	118.00	CSC		0.00 - 0.00	15.30	1	CL	PRK	CORNT	WHCRT FX
152.00	118.00	CSC		0.00 - 0.00	43.50	1	CL	CORE	CRY	
152.00	118.00	CSC		0.00 - 0.00	8.30	1	CL	FLA	DECORT	QBZ
152.00	118.00	CSC		0.00 - 0.00	3.80	1	CL	FLA	QBZ	
152.00	118.00	CSC		0.00 - 0.00	11.00	3	CL	FLA	DECORT	CRY
152.00	118.00	CSC		0.00 - 0.00	1.00	1	CL	FLA	SFTLP	CRY
152.00	118.00	CSC		0.00 - 0.00	18.30	5	CL	FLA	DECORT	CRR
152.00	118.00	CSC		0.00 - 0.00	2.80	2	CL	FLA	SFTLP	CRR
152.00	118.00	CSC		0.00 - 0.00	4.60	7	CL	FLA	CRR	
152.00	118.00	CSC		0.00 - 0.00	51.00	2	CL	SHAT	CRY	
152.00	118.00	CSC		0.00 - 0.00	17.30	3	CL	FLA	CRY	
152.00	118.00	CSC		0.00 - 0.00	39.50	2	CL	SHAT	CRR	
152.00	118.00	CSC		0.00 - 0.00	91.70	3	CL	BIFK	STI	CRY
152.00	118.00	CSC		0.00 - 0.00	17.50	3	POT	BODY	CRMK	SAND
152.00	118.00	CSC		0.00 - 0.00	8.80	4	POT	BODY	SAND	
146.00	118.00	CSC		0.00 - 0.00	3.30	2	POT	BODY	CRMK	SAND
146.00	118.00	CSC		0.00 - 0.00	4.40	1	POT	BODY	SAND	
146.00	118.00	CSC		0.00 - 0.00	2.20	1	CL	FLA	DECORT	CRR
146.00	118.00	CSC		0.00 - 0.00	1.00	1	CL	FLA	QBZ	
146.00	118.00	CSC		0.00 - 0.00	11.80	2	CL	FLA	DECORT	CRY
140.00	118.00	CSC		0.00 - 0.00	2.50	1	CL	FLA	SFTLP	CRR
140.00	118.00	CSC		0.00 - 0.00	9.90	3	POT	BODY	CRMK	SAND
140.00	118.00	CSC		0.00 - 0.00	8.10	6	CL	FLA	DECORT	CRR
140.00	118.00	CSC		0.00 - 0.00	23.40	8	CL	FLA	DECORT	CRY
140.00	118.00	CSC		0.00 - 0.00	1.40	3	CL	FLA	CRR	
140.00	118.00	CSC		0.00 - 0.00	1.20	2	CL	FLA	CRY	
140.00	118.00	CSC		0.00 - 0.00	3.50	1	CL	SHAT	CRY	
140.00	118.00	CSC		0.00 - 0.00	1.10		POT	BODYFG	SHELL	
140.00	118.00	CSC		0.00 - 0.00	30.40	8	POT	BODY	SAND	
134.00	118.00	CSC		0.00 - 0.00	1.10	2	CL	FLA	DECORT	CRR
134.00	118.00	CSC		0.00 - 0.00	3.00	2	CL	FLA	SFTLP	CRR
134.00	118.00	CSC		0.00 - 0.00	5.40	5	CL	FLA	CRR	
134.00	118.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	SFTLP	CRR
134.00	118.00	CSC		0.00 - 0.00	1.50	1	CL	FLA	SFTLP	CRY

North	East	Unit	Unit#	Top-Depth-Bt#	Wt	Ct	Acronyms ...				
SITENO = 23DU20A											
134.00	118.00	CSC		0.00 - 0.00	2.30	1	CL	FLA	DECORT	CPY	
134.00	118.00	CSC		0.00 - 0.00	22.70	2	CL	FLA	DECORT	OQZ	
134.00	118.00	CSC		0.00 - 0.00	11.10	2	CL	FLA	CPY		
134.00	118.00	CSC		0.00 - 0.00	133.50	7	CL	CORE	CPY		
134.00	118.00	CSC		0.00 - 0.00	28.10	1	CL	CORE	CPP		
134.00	118.00	CSC		0.00 - 0.00	157.50	1	CL	CORE	OQZ		
134.00	118.00	CSC		0.00 - 0.00	24.50	7	POT	BODY	SAND		
134.00	118.00	CSC		0.00 - 0.00	2.10	1	POT	BODY	DEC	SAND	WEA
134.00	118.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	SPOKS	RUM	CPY
128.00	118.00	CSC		0.00 - 0.00	2.80	2	POT	BODYFG	SHELL		
128.00	118.00	CSC		0.00 - 0.00	16.80	5	POT	BODY	SAND		
128.00	118.00	CSC		0.00 - 0.00	6.40	2	POT	BODY	CRMY	SAND	
128.00	118.00	CSC		0.00 - 0.00	7.40	1	CL	SHAT	OQZ		
128.00	118.00	CSC		0.00 - 0.00	10.40	4	CL	FLA	DECORT	CPP	
128.00	118.00	CSC		0.00 - 0.00	4.30	5	CL	FLA	CPP		
128.00	118.00	CSC		0.00 - 0.00	2.10	3	CL	FLA	SFTLP	CPP	
128.00	118.00	CSC		0.00 - 0.00	1.00	1	CL	FLA	SFTLP	CPY	
128.00	118.00	CSC		0.00 - 0.00	4.20	4	CL	FLA	CPY		
128.00	118.00	CSC		0.00 - 0.00	16.30	3	CL	FLA	DECORT	CPY	
128.00	118.00	CSC		0.00 - 0.00	3.10	1	POT	PIM	CRMI	SAND	
122.00	118.00	CSC		0.00 - 0.00	146.70	1	CL	COBL	TESTED	OQZ	
122.00	118.00	CSC		0.00 - 0.00	14.20	4	CL	FLA	DECORT	CPY	
122.00	118.00	CSC		0.00 - 0.00	15.80	7	CL	FLA	DECORT	CPP	
122.00	118.00	CSC		0.00 - 0.00	2.60	1	CL	FLA	RUM	CPY	
122.00	118.00	CSC		0.00 - 0.00	8.30	2	POT	BODY	CRMY	SAND	
122.00	118.00	CSC		0.00 - 0.00	1.40	1	POT	BODY	SAND		
122.00	118.00	CSC		0.00 - 0.00	33.50	1	CL	CORE	CPY		
116.00	118.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CPP		
116.00	118.00	CSC		0.00 - 0.00	0.60	2	CL	FLA	DECORT	CPP	
116.00	118.00	CSC		0.00 - 0.00	2.10	2	CL	FLA	DECORT	CPY	
116.00	118.00	CSC		0.00 - 0.00	1.40	1	CL	FLA	OQZ		
116.00	118.00	CSC		0.00 - 0.00	10.00	2	POT	BODY	CRMY	SAND	
116.00	118.00	CSC		0.00 - 0.00	22.00	8	POT	BODY	SAND		
116.00	118.00	CSC		0.00 - 0.00	45.10	1	CL	CORE	CPY		
272.00	95.00	1X1M		25.00 - 35.00	2.50	9	CL	FLA	CPY		
272.00	95.00	CSC		25.00 - 35.00	0.40	2	CL	FLA	SFTLP	CPY	
272.00	95.00	1X1M		25.00 - 35.00	0.50	2	CL	FLA	CRT		
272.00	95.00	1X1M		25.00 - 35.00	4.80	12	CL	FLA	CPP		
272.00	95.00	1X1M		25.00 - 35.00	1.80	2	CL	FLA	SFTLP	CPP	
272.00	95.00	1X1M		25.00 - 35.00	0.30	1	CL	FLA	DECORT	CPP	
272.00	95.00	1X1M		25.00 - 35.00	26.50	9	CL	FLA	DECORT	CPY	
272.00	95.00	1X1M		25.00 - 35.00	3.20	1	STONEW	ALBALB			
272.00	95.00	1X1M		25.00 - 35.00	7.60	7	METAL	FERS			
272.00	95.00	1X1M		25.00 - 35.00	2.00	4	GLASS	CURVE			
272.00	95.00	1X1M		25.00 - 35.00	0.90	1	GLASS	MOLD			
272.00	95.00	1X1M		25.00 - 35.00	3.60	3	GLASS	CURVE			
272.00	95.00	1X1M		25.00 - 35.00	12.80	3	GLASS	FLAT			
272.00	95.00	1X1M		25.00 - 35.00	10.90	2	POT	BODY	SAND		
272.00	95.00	1X1M		25.00 - 35.00	5.50		POT	BODYFG	SAND		
272.00	95.00	1X1M		25.00 - 35.00	1.00		POT	BODYFG	SHELL		
272.00	95.00	1X1M		35.00 - 45.00	1.20		POT	BODYFG	CRMI	SAND	
272.00	95.00	1X1M		35.00 - 45.00	11.10	1	POT	BODY	CRMI	SAND	
272.00	95.00	1X1M		35.00 - 45.00	1.60	2	METAL	FERS			
272.00	95.00	1X1M		35.00 - 45.00	4.60		POT	BODYFG	SAND		
272.00	95.00	1X1M		35.00 - 45.00	0.50	1	GLASS	CURVE			
272.00	95.00	1X1M		35.00 - 45.00	0.30	1	WHITEW	BODY			

North	East	Unit	Unit#	Top-Depth-Bta			Wt	Ct	Acronyms ...				
SITENO = 23DU204													
272.00	95.00	1X1M		35.00	-	45.00	2.50	3	CL	FLA	CRY		
272.00	95.00	1X1M		35.00	-	45.00	4.60	3	CL	FLA	DECORT	CRY	
272.00	95.00	1X1M		35.00	-	45.00	0.70	1	CL	FLA	DECORT	002	
272.00	95.00	1X1M		35.00	-	45.00	1.00	3	CL	FLA	SETLR	CPP	
272.00	95.00	1X1M		35.00	-	45.00	0.90	2	CL	FLA	CPP		
272.00	95.00	1X1M		35.00	-	45.00	2.00	3	CL	FLA	DECORT	CPP	
272.00	95.00	1X1M		45.00	-	55.00	0.60	2	CL	FLA	DECORT	CRY	
272.00	95.00	1X1M		45.00	-	55.00	0.30	1	CL	FLA	CRY		
272.00	95.00	1X1M		45.00	-	55.00	0.30	1	CL	FLA	DECORT	CPP	
272.00	95.00	1X1M		45.00	-	55.00	1.30	1	CL	FLA	002		
		GENER		0.00	-	0.00	5.60	2	POT	BODY	SAND		
		GENER		0.00	-	0.00	10.40	1	CL	BIFC	PSHARP	CRY	CP
		GENER		0.00	-	0.00	21.80	1	CL	DART	STRAST	CPP	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
--> SITENO = 23DU285											
300.00	140.00	CC	3	18.00 - 18.00	52.40	1	CL	COBL	TESTED	CPY	
		CSC	51	0.00 - 0.00	2.50	1	POT	BODY	CRMK	SAND	
		CSC	51	0.00 - 0.00	3.60	2	CL	FLA	DECORT	CRP	
		CSC	51	0.00 - 0.00	2.30	1	CL	FLA	DECORT	OQZ	
		CSC	52	0.00 - 0.00	2.90	1	CL	FLA	DECORT	CPY	
		CSC	53	0.00 - 0.00	0.70	1	CL	FLA	DECORT	CRP	
		CSC	55	0.00 - 0.00	6.70	3	CL	FLA	CRY		
		CSC	55	0.00 - 0.00	1.40	1	CL	FLA	DECORT	CPY	
		CSC	57	0.00 - 0.00	1.00	1	CL	FLA	CRP		
		CSC	57	0.00 - 0.00	41.30	1	CL	COBL	TESTED	CPY	
		CSC	58	0.00 - 0.00	3.30	1	CL	FLA	DECORT	CRY	
		CSC	58	0.00 - 0.00	2.50	1	CL	FLA	CRP		
		CSC	58	0.00 - 0.00	1.40	1	POT	BODY	DEC	SAND	WEA
		CSC	59	0.00 - 0.00	1.20	1	POT	BODY	SAND		
		CSC	59	0.00 - 0.00	0.20	1	CL	FLA	CRP		
		CSC	62	0.00 - 0.00	2.10	1	CL	FLA	CRY		
		CSC	62	0.00 - 0.00	5.80	1	CL	FLA	DECORT	CRY	
		CSC	64	0.00 - 0.00	10.80	1	CL	FLA	DECORT	OQZ	
		CSC	64	0.00 - 0.00	1.50	2	CL	FLA	CRY		
		CSC	65	0.00 - 0.00	0.40	1	CL	FLA	CRP		
		CSC	68	0.00 - 0.00	1.80	2	CL	FLA	CRY		
		CSC	72	0.00 - 0.00	0.50	1	CL	FLA	CRY		
		CSC	76	0.00 - 0.00	0.60	1	CL	FLA	CRP		
		CSC	77	0.00 - 0.00	0.60	1	CL	FLA	CPY		
		CSC	77	0.00 - 0.00	0.60	1	CL	FLA	CRP		
		CSC	78	0.00 - 0.00	0.40	1	CL	FLA	DECORT	CPY	
		CSC	78	0.00 - 0.00	2.80	1	CL	FLA	CRP		
		CSC	78	0.00 - 0.00	21.40	1	CL	COBL	TESTED	CPP	
		CSC	80	0.00 - 0.00	4.70	1	CL	FLA	DECORT	CRY	
		CSC	81	0.00 - 0.00	0.20	1	CL	FLA	SFTLP	CPP	
		CSC	49	0.00 - 0.00	0.90	1	CL	FLA	CRY		
		CSC	49	0.00 - 0.00	0.40	1	CL	FLA	CRP		
		CSC	48	0.00 - 0.00	0.10	1	CL	FLA	CRP		
		CSC	45	0.00 - 0.00	0.50	2	CL	FLA	CPY		
		CSC	45	0.00 - 0.00	3.60	1	CL	FLA	DECORT	OQZ	
		CSC	44	0.00 - 0.00	0.10	1	CL	FLA	CRY		
		CSC	44	0.00 - 0.00	1.20	1	CL	FLA	CRP		
		CSC	38	0.00 - 0.00	0.90	1	CL	FLA	DECORT	CRP	
		CSC	36	0.00 - 0.00	2.00	1	CL	FLA	RUM	CRY	
		CSC	36	0.00 - 0.00	8.60	1	CL	FLA	DECORT	CRY	
		CSC	35	0.00 - 0.00	0.30	1	CL	FLA	CRP		
		CSC	34	0.00 - 0.00	5.00	1	CL	FLA	DECORT	CPP	
		CSC	34	0.00 - 0.00	25.90	1	CL	BIFK	STI	CRY	
		CSC	32	0.00 - 0.00	2.50	1	CL	FLA	CRP		
		CSC	27	0.00 - 0.00	6.40	1	WHITEW	BODY	MOLD		
		CSC	25	0.00 - 0.00	4.00	1	POT	BODY	CRMK	SAND	
		CSC	22	0.00 - 0.00	84.50	1	METAL	METOBJ	FERS		
		CSC	17	0.00 - 0.00	0.10	1	SHELL				
		CSC	15	0.00 - 0.00	0.10	1	CL	FLA	CRP		

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
--> SITENO = 23DU286										
100.00	52.00	CSC		0.00 - 0.00	2.20	3	CL	FLA	CRY	
100.00	58.00	CSC		0.00 - 0.00	8.40	3	CL	FLA	DECORT	CRY
100.00	58.00	CSC		0.00 - 0.00	4.60	2	CL	FLA	CRR	
100.00	58.00	CSC		0.00 - 0.00	33.60	1	CL	FLA	RIM	CRY
100.00	58.00	CSC		0.00 - 0.00	3.30	1	POT	BODY	SAND	
100.00	64.00	CSC		0.00 - 0.00	11.00	1	POT	RIM	CRMK	SAND
100.00	64.00	CSC		0.00 - 0.00	6.30	1	POT	BODY	CRMK	SAND
100.00	64.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	CRR	
100.00	70.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	DECORT	CRR
100.00	70.00	CSC		0.00 - 0.00	2.40	2	CL	FLA	CRY	
100.00	70.00	CSC		0.00 - 0.00	6.20	1	POT	BODY	SAND	
100.00	70.00	CSC		0.00 - 0.00	5.00	1	POT	BODY	SHED	
100.00	70.00	CSC		0.00 - 0.00	6.90	2	POT	BODY	CRMK	SAND
100.00	88.00	CSC		0.00 - 0.00	8.60	1	WHITEW	BASE		
100.00	88.00	CSC		0.00 - 0.00	3.50	1	GLASS	CURVE		
100.00	94.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	CRY	
100.00	94.00	CSC		0.00 - 0.00	1.20	1	GLASS	CURVE		
100.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	CRR	
100.00	100.00	CSC		0.00 - 0.00	2.40	1	GLASS	CURVE		
100.00	100.00	CSC		0.00 - 0.00	1.70	2	CL	FLA	DECORT	CRY
100.00	106.00	CSC		0.00 - 0.00	3.80	1	GLASS	CURVE		
100.00	106.00	CSC		0.00 - 0.00	2.30	1	GLASS	CURVE		
100.00	106.00	CSC		0.00 - 0.00	9.30	1	GLASS	BASE	CLEAR	
100.00	106.00	CSC		0.00 - 0.00	1.70	2	CL	FLA	CRY	
100.00	106.00	CSC		0.00 - 0.00	9.90	2	CL	FLA	DECORT	CRY
100.00	112.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	CRY	
100.00	112.00	CSC		0.00 - 0.00	1.30	3	CL	FLA	CRR	
100.00	112.00	CSC		0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRR
100.00	112.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	DECORT	CRY
100.00	112.00	CSC		0.00 - 0.00	3.40	1	CL	FLA	RIM	CRY
100.00	112.00	CSC		0.00 - 0.00	1.50	1	POT	BODYFG	SAND	
100.00	112.00	CSC		0.00 - 0.00	6.70	1	GLASS	RIM	CURVE	
100.00	112.00	CSC		0.00 - 0.00	13.20	1	GLASS	FLAT		
100.00	112.00	CSC		0.00 - 0.00	1.30	1	GLASS	CURVE		
100.00	112.00	CSC		0.00 - 0.00	0.20	1	GLASS	FLAT		
100.00	112.00	CSC		0.00 - 0.00	23.80	1	GLASS	BNECK	CLEAR	
100.00	118.00	CSC		0.00 - 0.00	2.50	1	GLASS	LAV		
100.00	118.00	CSC		0.00 - 0.00	0.90	1	GLASS	CURVE		
100.00	118.00	CSC		0.00 - 0.00	0.80	2	CL	FLA	SFTLP	CRY
100.00	118.00	CSC		0.00 - 0.00	1.90	2	CL	FLA	DECORT	CRY
100.00	118.00	CSC		0.00 - 0.00	0.70	2	CL	FLA	CRY	
100.00	118.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	DECORT	CRR
100.00	118.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	CRR	
100.00	118.00	CSC		0.00 - 0.00	1.10	1	CL	FLA	SFTLP	CRY
100.00	118.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	QQZ	
100.00	124.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	QQZ	
100.00	124.00	CSC		0.00 - 0.00	1.10	1	CL	FLA	CRR	
100.00	124.00	CSC		0.00 - 0.00	1.90	1	POT	BODY	SAND	
100.00	124.00	CSC		0.00 - 0.00	1.20	1	CL	FLA	CRY	
100.00	124.00	CSC		0.00 - 0.00	0.80	1	GLASS	CURVE		
100.00	130.00	CSC		0.00 - 0.00	1.80	3	CL	FLA	DECORT	CRR
100.00	130.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRR
100.00	130.00	CSC		0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRY
100.00	130.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	WHORT	

North	East	Unit	Unit#	Top-Depth-Btm			Wt	Ct	Acronyms ...			
SITENO = 23DU206												
100.00	130.00	CSC		0.00	-	0.00	1.00	2	CL	FLA	DECORT	CRY
100.00	130.00	CSC		0.00	-	0.00	1.50	1	POT	BODY	CRMK	SAND
100.00	136.00	CSC		0.00	-	0.00	0.40	1	CL	FLA	SFTLP	CRY
100.00	136.00	CSC		0.00	-	0.00	0.40	1	CL	FLA	DECORT	CRY
100.00	136.00	CSC		0.00	-	0.00	1.90	3	CL	FLA	DECORT	CRY
100.00	136.00	CSC		0.00	-	0.00	1.50	6	CL	FLA	CRY	
100.00	136.00	CSC		0.00	-	0.00	1.70	2	CL	FLA	CRP	
100.00	142.00	CSC		0.00	-	0.00	4.10	4	CL	FLA	CRY	
100.00	142.00	CSC		0.00	-	0.00	0.60	2	CL	FLA	CRP	
100.00	142.00	CSC		0.00	-	0.00	4.20	2	CL	FLA	DECORT	CRY
100.00	148.00	CSC		0.00	-	0.00	4.30	1	POT	BODY	CRMK	SAND
100.00	148.00	CSC		0.00	-	0.00	7.20	1	POT	BODY	SAND	
100.00	148.00	CSC		0.00	-	0.00	2.40	3	CL	FLA	CRP	
100.00	148.00	CSC		0.00	-	0.00	0.80	2	CL	FLA	CRY	
82.00	136.00	CSC		0.00	-	0.00	1.00	2	CL	FLA	WHCRT	
82.00	136.00	CSC		0.00	-	0.00	0.90	2	CL	FLA	CRY	
88.00	136.00	CSC		0.00	-	0.00	0.70	1	CL	FLA	DECORT	CRY
88.00	136.00	CSC		0.00	-	0.00	2.50	4	CL	FLA	CRY	
94.00	136.00	CSC		0.00	-	0.00	0.70	2	CL	FLA	DECORT	CRP
94.00	136.00	CSC		0.00	-	0.00	1.00	1	CL	FLA	CRY	
94.00	136.00	CSC		0.00	-	0.00	0.80	1	CL	FLA	DECORT	CRY
106.00	136.00	CSC		0.00	-	0.00	0.30	1	CL	FLA	DECORT	CRP
106.00	136.00	CSC		0.00	-	0.00	1.50	4	CL	FLA	CRP	
106.00	136.00	CSC		0.00	-	0.00	1.30	1	CL	FLA	DECORT	CRY
106.00	136.00	CSC		0.00	-	0.00	0.30	2	CL	FLA	CRY	
112.00	136.00	CSC		0.00	-	0.00	1.50	1	CL	FLA	DECORT	CRY
118.00	136.00	CSC		0.00	-	0.00	1.50	6	CL	FLA	CRP	
118.00	136.00	CSC		0.00	-	0.00	1.40	6	CL	FLA	CRY	
118.00	136.00	CSC		0.00	-	0.00	0.90	1	CL	FLA	DECORT	CRP
118.00	136.00	CSC		0.00	-	0.00	40.40	4	CL	FLA	DECORT	CRY
118.00	136.00	CSC		0.00	-	0.00	3.20	1	POT	BODY	SAND	
124.00	136.00	CSC		0.00	-	0.00	0.20	1	CL	FLA	DECORT	CRY
124.00	136.00	CSC		0.00	-	0.00	0.50	2	CL	FLA	CRY	
124.00	136.00	CSC		0.00	-	0.00	0.10	1	CL	FLA	CRP	
104.00	77.00	1X1M		30.00	-	40.00	2.50	3	CL	FLA	DECORT	CRY
104.00	77.00	1X1M		30.00	-	40.00	0.70	1	CL	FLA	SFTLP	CRY
104.00	77.00	1X1M		30.00	-	40.00	0.40	2	CL	FLA	CRY	
104.00	77.00	1X1M		30.00	-	40.00	1.30	2	CL	FLA	CRP	
104.00	77.00	1X1M		30.00	-	40.00	0.20	1	POT	BODYFG	SHELL	
104.00	77.00	1X1M		30.00	-	40.00	12.30		FLOR	CHAR	IND	
104.00	77.00	1X1M		40.00	-	50.00	7.90	1	POT	BODY	CRMK	SAND
104.00	77.00	1X1M		40.00	-	50.00	2.30	1	POT	BODY	SHELL	
104.00	77.00	1X1M		40.00	-	50.00	1.10		POT	BODYFG	SAND	
104.00	77.00	1X1M		40.00	-	50.00	6.20	4	CL	FLA	DECORT	CRP
104.00	77.00	1X1M		40.00	-	50.00	36.00	1	CL	COBL	TESTED	CRP
104.00	77.00	1X1M		40.00	-	50.00	3.50	1	CL	FLA	CRY	
104.00	77.00	1X1M		40.00	-	50.00	6.30		FLOR	CHAR	IND	
104.00	77.00	FEATU	1		-		4.80	1	POT	BODY	CRMK	SAND
104.00	77.00	FEATU	1		-		1.30	1	POT	BODY	SAND	
104.00	77.00	FEATU	1		-		0.80	1	CL	FLA	CRY	
104.00	77.00	FEATU	1		-		12.60		FLOR	CHAR	IND	
		GENER		0.00	-	0.00	28.00	4	POT	BODY	SAND	
		GENER		0.00	-	0.00	0.70	1	CL	FLA	CRY	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
--> SITENO = 23DU287										
		CSC	1	0.00 - 0.00	60.30	1	CL	FLA	CRT	
		CSC	1	0.00 - 0.00	25.00	1	CL	BIFK	ST1	CRY
		CSC	1	0.00 - 0.00	187.70	1	GRL	HAM	CRY	
		CSC	1	0.00 - 0.00	32.20	11	CL	FLA	DECORT	CRY
		CSC	1	0.00 - 0.00	36.80	5	CL	FLA	DECORT	CRR
		CSC	1	0.00 - 0.00	0.60	2	CL	FLA	CRR	
		CSC	1	0.00 - 0.00	1.50	2	CL	FLA	CRY	
		CSC	1	0.00 - 0.00	5.60	3	CL	FLA	SFTLP	CRY
		CSC	1	0.00 - 0.00	8.50	2	URM	CHNK	HEM	
		CSC	1	0.00 - 0.00	5.70	1	POT	BODY	CRMK	SAND
		CSC	1	0.00 - 0.00	7.40	1	CL	DART	CORNT	CRP
		CSC	1	0.00 - 0.00	3.20	1	CL	SCR	SIDENT	CRY
		CSC	2	0.00 - 0.00	0.90	1	SHELL	MUSSEL		
		CSC	2	0.00 - 0.00	17.40	1	CL	FLA	OQZ	
		CSC	2	0.00 - 0.00	1.60	1	CL	FLA	CRY	
		CSC	2	0.00 - 0.00	9.00	3	CL	FLA	DECORT	CRY
		CSC	2	0.00 - 0.00	2.60	2	CL	FLA	SFTLP	CRR
		CSC	2	0.00 - 0.00	6.00	4	CL	FLA	DECORT	CRR
		CSC	2	0.00 - 0.00	0.70	1	CL	FLA	CRR	
		CSC	2	0.00 - 0.00	3.90	2	CL	FLA	SFTLP	CRR
		CSC	2	0.00 - 0.00	2.30	1	CL	FLA	SPOKS	RUM CRR
		CSC	2	0.00 - 0.00	48.60	1	CL	COBL	TESTED	CRY
		CSC	2	0.00 - 0.00	107.40	1	CL	COBL	TESTED	CRR
		CSC	2	0.00 - 0.00	24.00	1	CL	BIFK	ST2	CRR
		CSC	2	0.00 - 0.00	3.70	1	CL	PPK	CRY	DS
		CSC	2	0.00 - 0.00	8.10	1	CL	DART	CORNT	OQZ
		CSC	2	0.00 - 0.00	7.10	1	URM	CHNK	HEM	
		CSC	3	0.00 - 0.00	1.80	1	GLASS	CURVE		
		CSC	3	0.00 - 0.00	0.80	1	SHELL			
		CSC	3	0.00 - 0.00	90.80	2	CL	COBL	TESTED	CRY
		CSC	3	0.00 - 0.00	9.40	4	CL	FLA	CRY	
		CSC	3	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRY
		CSC	3	0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRR
		CSC	3	0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRP
		CSC	3	0.00 - 0.00	6.70	2	CL	FLA	CRR	
		CSC	3	0.00 - 0.00	16.60	1	CL	FLA	CRT	
		CSC	3	0.00 - 0.00	228.40	1	CL	COBL	TESTED	OQZ
		CSC	4	0.00 - 0.00	1.70	1	CL	FLA	OQZ	
		CSC	4	0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRT
		CSC	4	0.00 - 0.00	2.20	5	CL	FLA	CRR	
		CSC	4	0.00 - 0.00	1.40	1	CL	FLA	DECORT	CRP
		CSC	4	0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRP
		CSC	4	0.00 - 0.00	2.30	1	GLASS	CURVE		
		CSC	4	0.00 - 0.00	0.60	1	WHITEW	RIM		
		CSC	4	0.00 - 0.00	3.60	1	METAL	BARBWI	FERS	
		CSC	4	0.00 - 0.00	15.70	8	CL	FLA	CRY	
		CSC	4	0.00 - 0.00	0.80	2	CL	FLA	SFTLP	CRY
		CSC	4	0.00 - 0.00	8.50	2	CL	FLA	SFTLP	CRY
		CSC	4	0.00 - 0.00	69.20	9	CL	FLA	DECORT	CRY
		CSC	4	0.00 - 0.00	140.20	1	CL	COBL	TESTED	CRY
		CSC	5	0.00 - 0.00	7.00	1	CL	FLA	SFTLP	CRT
		CSC	5	0.00 - 0.00	2.70	1	POT	BODY	SAND	
		CSC	5	0.00 - 0.00	2.60	1	CL	APPOW	CNTRST	CRP
		CSC	5	0.00 - 0.00	8.70	1	CL	FLA	DECORT	CRT

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
		SITENO = 23DU287								
		CSC	5	0.00 - 0.00	35.80	9	CL	FLA	DECORT	CRY
		CSC	5	0.00 - 0.00	3.60	2	CL	FLA	CRY	
		CSC	5	0.00 - 0.00	50.00	4	CL	FLA	DECORT	CRR
		CSC	5	0.00 - 0.00	0.10	1	CL	FLA	CRR	
		CSC	5	0.00 - 0.00	62.60	1	CL	COBL	TESTED	CRY
		CSC	6	0.00 - 0.00	27.00	5	GLASS	CURVE		
		CSC	6	0.00 - 0.00	3.10	3	GLASS	CURVE		
		CSC	6	0.00 - 0.00	70.80	1	SHELL	MUSSEL		
		CSC	6	0.00 - 0.00	1.80	1	POT	BODY	SAND	
		CSC	6	0.00 - 0.00	0.30	1	CL	FLA	DECORT	CRT
		CSC	6	0.00 - 0.00	1.70	3	CL	FLA	CRR	
		CSC	6	0.00 - 0.00	36.30	8	CL	FLA	DECORT	CRY
		CSC	6	0.00 - 0.00	11.80	3	CL	FLA	DECORT	CRR
		CSC	6	0.00 - 0.00	14.70	10	CL	FLA	CRY	
		CSC	6	0.00 - 0.00	45.90	1	CL	SHAT	CRY	
		CSC	7	0.00 - 0.00	6.70	2	URM	CHNK	HEM	
		CSC	7	0.00 - 0.00	1.20	1	WHITEW	BODY		
		CSC	7	0.00 - 0.00	4.00	1	POT	BODY	SAND	
		CSC	7	0.00 - 0.00	6.90	4	CL	FLA	SFTLP	CRY
		CSC	7	0.00 - 0.00	73.50	8	CL	FLA	DECORT	CRY
		CSC	7	0.00 - 0.00	1.00	2	CL	FLA	CRY	
		CSC	7	0.00 - 0.00	30.00	5	CL	FLA	DECORT	CRR
		CSC	7	0.00 - 0.00	1.60	4	CL	FLA	CRR	
		CSC	7	0.00 - 0.00	1.20	1	CL	FLA	OQZ	
		CSC	7	0.00 - 0.00	21.10	1	CL	SHAT	OQZ	
		CSC	7	0.00 - 0.00	13.60	4	SHELL	MUSSEL		
		CSC	7	0.00 - 0.00	12.70	1	CL	FLA	SILT	
		CSC	8	0.00 - 0.00	2.00	1	SHELL			
		CSC	8	0.00 - 0.00	1.60	2	CL	FLA	CRR	
		CSC	8	0.00 - 0.00	2.00	1	CL	FLA	DECORT	CRR
		CSC	8	0.00 - 0.00	0.50	1	CL	FLA	CRY	
		CSC	8	0.00 - 0.00	4.50	1	CL	FLA	DECORT	CRY
		CSC	8	0.00 - 0.00	2.50	1	CL	FLA	DECORT	CRY
		CSC	8	0.00 - 0.00	193.80	1	CL	COBL	TESTED	OQZ
		CSC	9	0.00 - 0.00	10.80	2	GLASS	CURVE		
		CSC	9	0.00 - 0.00	3.60	2	CL	FLA	DECORT	CRY
		CSC	9	0.00 - 0.00	4.00	1	CL	FLA	CRR	
		CSC	9	0.00 - 0.00	5.60	1	CL	FLA	DECORT	CRR
		CSC	9	0.00 - 0.00	32.70	1	CL	COBL	RUM	CRY
		CSC	9	0.00 - 0.00	29.40	1	CL	SHAT	RUM	CRR
		CSC	10	0.00 - 0.00	1.40	1	WHITEW	MONOG		
		CSC	10	0.00 - 0.00	0.10	1	SHELL	MUSSEL		
		CSC	10	0.00 - 0.00	2.00	1	CL	FLA	CRY	
		CSC	10	0.00 - 0.00	8.40	2	CL	FLA	DECORT	CRY
		CSC	10	0.00 - 0.00	1.20	1	CL	FLA	CRR	
		CSC	10	0.00 - 0.00	19.20	2	CL	SHAT	CRY	
		CSC	12	0.00 - 0.00	10.60	2	CL	FLA	CRY	
		CSC	12	0.00 - 0.00	1.30	1	CL	FLA	CRR	
		CSC	12	0.00 - 0.00	5.00	1	CL	FLA	DECORT	CRR
		CSC	13	0.00 - 0.00	21.60	5	CL	FLA	DECORT	CRY
		CSC	13	0.00 - 0.00	1.40	1	CL	FLA	CRY	
		CSC	13	0.00 - 0.00	1.40	2	CL	FLA	DECORT	CRR

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
--> SITENO = 23DU288										
16.00	18.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	CRR	
22.00	18.00	CSC		0.00 - 0.00	28.40	1	CL	FLA	RUM	CRY
34.00	18.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	DECORT.	CRY
40.00	18.00	CSC		0.00 - 0.00	6.90	2	CL	FLA	DECORT	CRR
40.00	18.00	CSC		0.00 - 0.00	2.50	1	CL	FLA	DECORT	CRY
40.00	18.00	CSC		0.00 - 0.00	359.30	1	METAL	METOBJ	FERS	
46.00	18.00	CSC		0.00 - 0.00	5.40	1	POT	BODY	SAND	
46.00	18.00	CSC		0.00 - 0.00	4.20	2	CL	FLA	CRY	
46.00	18.00	CSC		0.00 - 0.00	0.60	1	CL	FLA	CRR	
52.00	18.00	CSC		0.00 - 0.00	2.00	2	CL	FLA	DECORT	CRY
52.00	18.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	SFTLP	CRY
52.00	18.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	SFTLP	OQZ
52.00	18.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	CRY	
52.00	18.00	CSC		0.00 - 0.00	1.50	1	CL	FLA	DECORT	CRR
52.00	18.00	CSC		0.00 - 0.00	19.30	1	CL	SHAT	CRY	
58.00	18.00	CSC		0.00 - 0.00	1.10	2	CL	FLA	DECORT	CRR
58.00	18.00	CSC		0.00 - 0.00	1.00	2	CL	FLA	CRR	
58.00	18.00	CSC		0.00 - 0.00	8.40	5	CL	FLA	DECORT	CRY
64.00	18.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	CRR	
64.00	18.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	SFTLP	CRY
64.00	18.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	DECORT	CRY
64.00	18.00	CSC		0.00 - 0.00	2.40	1	CL	FLA	OQZ	
64.00	18.00	CSC		0.00 - 0.00	3.30	1	CL	SHAT	CRY	
64.00	18.00	CSC		0.00 - 0.00	8.50	1	CL	BIFK	STS	CRY
70.00	18.00	CSC		0.00 - 0.00	2.50	1	CL	FLA	DECORT	CRR
70.00	18.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	DECORT	CRY
70.00	18.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	CRY	
70.00	18.00	CSC		0.00 - 0.00	169.80	1	CL	COBL	TESTED	CRY
76.00	18.00	CSC		0.00 - 0.00	0.70	1	CL	FLA	DECORT	CRR
76.00	18.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	DECORT	CRY
76.00	18.00	CSC		0.00 - 0.00	1.10	2	CL	FLA	CRY	
76.00	18.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	CRT	
82.00	18.00	CSC		0.00 - 0.00	4.60	2	CL	FLA	DECORT	CRY
82.00	18.00	CSC		0.00 - 0.00	1.20	1	CL	FLA	CRY	
82.00	18.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	SFTLP	CRR
88.00	18.00	CSC		0.00 - 0.00	3.20	1	POT	BODY	SAND	
88.00	18.00	CSC		0.00 - 0.00	3.20	2	CL	FLA	DECORT	CRY
88.00	18.00	CSC		0.00 - 0.00	0.90	2	CL	FLA	CRY	
52.00	12.00	CSC		0.00 - 0.00	8.60	5	CL	FLA	CRY	
52.00	12.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRY
52.00	12.00	CSC		0.00 - 0.00	0.60	1	CL	FLA	DECORT	OQZ
52.00	12.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	DECORT	CRR
52.00	24.00	CSC		0.00 - 0.00	2.80	3	CL	FLA	CRR	
52.00	24.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	DECORT	OQZ
52.00	24.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	SFTLP	CRR
52.00	24.00	CSC		0.00 - 0.00	1.90	2	CL	FLA	DECORT	CRR
52.00	24.00	CSC		0.00 - 0.00	3.50	2	CL	FLA	CRY	
52.00	24.00	CSC		0.00 - 0.00	4.50	1	CL	FLA	DECORT	CRY
52.00	24.00	CSC		0.00 - 0.00	24.90	1	CL	BIFK	CRY	FR
52.00	30.00	CSC		0.00 - 0.00	2.20	1	CL	FLA	DECORT	CRR
52.00	30.00	CSC		0.00 - 0.00	13.70	2	CL	FLA	DECORT	CRY
52.00	30.00	CSC		0.00 - 0.00	4.10	1	CL	FLA	CRY	
52.00	36.00	CSC		0.00 - 0.00	189.70	1	GRL	PITS	SS	
52.00	36.00	CSC		0.00 - 0.00	1.60	1	CL	FLA	CRR	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23XU288										
		GENER		0.00 - 0.00	8.20	7	CL	FLA	CRY	
		GENER		0.00 - 0.00	5.40	2	CL	FLA	DECORT	CRY
		GENER		0.00 - 0.00	1.00	4	CL	FLA	CRR	
		GENER		0.00 - 0.00	2.80	2	CL	FLA	DECORT	CRR
		GENER		0.00 - 0.00	17.60	1	CL	BIFK	ST2	CRY
		GENER		0.00 - 0.00	55.50	2	CL	BIFK	ST1	CRY
58.00	18.00	1X1M	1	-	0.60		POT	BODYFG	SAND	
58.00	18.00	1X1M	1	-	0.70	2	CL	FLA	CRY	
58.00	18.00	1X1M	1	-	2.80	1	CL	FLA	DECORT	CRY
58.00	18.00	1X1M	1	-	1.00	1	CL	FLA	SFTLP	CRR

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
--> SITENO = 23DU289											
34.00	94.00	CSC		0.00 - 0.00	1.50	1	CL	FLA	DECORT	CRR	FC
34.00	94.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRR		
34.00	94.00	CSC		0.00 - 0.00	14.40		URM	CHNK	FC		
40.00	94.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRR		
40.00	94.00	CSC		0.00 - 0.00	136.00	1	CL	COBL	TESTED	CRY	HT
40.00	94.00	BATR		0.00 - 0.00	2.80	2	CL	SHAT	CRR	FC	
46.00	94.00	CSC		0.00 - 0.00	4.70	1	CL	DART	CRT	DS	
46.00	94.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	WHCRT		
46.00	94.00	CSC		0.00 - 0.00	7.00	2	CL	FLA	CRR		
46.00	94.00	CSC		0.00 - 0.00	28.80	5	CL	FLA	DECORT	CRY	
46.00	94.00	CSC		0.00 - 0.00	7.80	3	CL	FLA	DECORT	CRR	
46.00	94.00	CSC		0.00 - 0.00	1.90	1	CL	SHAT	CRR		
52.00	94.00	CSC		0.00 - 0.00	210.60	1	CL	CORE	CRY		
52.00	94.00	CSC		0.00 - 0.00	3.00	3	CL	FLA	DECORT	OQZ	
52.00	94.00	CSC		0.00 - 0.00	4.60	5	CL	FLA	CRR		
52.00	94.00	CSC		0.00 - 0.00	2.30	4	CL	FLA	CRY		
52.00	94.00	CSC		0.00 - 0.00	6.10	6	CL	FLA	DECORT	CRR	
52.00	94.00	CSC		0.00 - 0.00	65.00	11	CL	FLA	DECORT	CRY	
52.00	94.00	CSC		0.00 - 0.00	19.00	3	CL	SHAT	CRY		
52.00	94.00	CSC		0.00 - 0.00	11.50	4	CL	SHAT	CRR		
58.00	94.00	CSC		0.00 - 0.00	48.80	2	CL	FLA	DECORT	OQZ	
58.00	94.00	CSC		0.00 - 0.00	5.80	1	URM	CHNK	QTZ		
58.00	94.00	CSC		0.00 - 0.00	1.50	2	CL	FLA	WHCRT		
58.00	94.00	CSC		0.00 - 0.00	0.40	1	CL	SHAT	OQZ		
58.00	94.00	CSC		0.00 - 0.00	7.30	2	CL	SHAT	CRY		
58.00	94.00	CSC		0.00 - 0.00	28.00	7	CL	SHAT	CRR		
58.00	94.00	CSC		0.00 - 0.00	16.00	12	CL	FLA	CRY		
58.00	94.00	CSC		0.00 - 0.00	5.30	11	CL	FLA	CRR		
58.00	94.00	CSC		0.00 - 0.00	21.00	10	CL	FLA	DECORT	CRY	
58.00	94.00	CSC		0.00 - 0.00	5.10	1	CL	FLA	RUM	CRR	
58.00	94.00	CSC		0.00 - 0.00	4.10	1	GLASS	BASE	LAV		
58.00	94.00	CSC		0.00 - 0.00	1.20	1	CL	FLA	OQZ		
58.00	94.00	CSC		0.00 - 0.00	2.10	3	CL	FLA	SFTLP	CRY	
58.00	94.00	CSC		0.00 - 0.00	1.50	2	CL	FLA	SFTLP	CRY	
58.00	94.00	CSC		0.00 - 0.00	0.70	1	POT	BODYFG	SAND		
64.00	94.00	CSC		0.00 - 0.00	15.60	5	POT	BODY	SAND		
64.00	94.00	CSC		0.00 - 0.00	13.20	9	POT	BODYFG	SAND		
64.00	94.00	CSC		0.00 - 0.00	4.50	3	CL	FLA	OQZ		
64.00	94.00	CSC		0.00 - 0.00	3.70	1	CL	FLA	DECORT	CRT	
64.00	94.00	CSC		0.00 - 0.00	269.00	2	CL	COBL	TESTED	CRY	
64.00	94.00	CSC		0.00 - 0.00	2.00	1	CL	BIFK	CRY	DS	
64.00	94.00	CSC		0.00 - 0.00	1.50	3	CL	FLA	WHCRT		
64.00	94.00	CSC		0.00 - 0.00	0.10	2	CL	FLA	SFTLP	CRR	
64.00	94.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRY	
64.00	94.00	CSC		0.00 - 0.00	57.00	25	CL	FLA	DECORT	CRR	
64.00	94.00	CSC		0.00 - 0.00	46.80	20	CL	FLA	DECORT	CRY	
64.00	94.00	CSC		0.00 - 0.00	23.70	30	CL	FLA	CRY		
64.00	94.00	CSC		0.00 - 0.00	9.80	23	CL	FLA	CRR		
64.00	94.00	CSC		0.00 - 0.00	27.20	5	CL	SHAT	CRY		
64.00	94.00	CSC		0.00 - 0.00	0.20	1	POT	BODY	GROG		
70.00	94.00	CSC		0.00 - 0.00	19.70	9	POT	BODY	SAND		
70.00	94.00	CSC		0.00 - 0.00	3.60	1	POT	BODY	CRMK	SAND	
70.00	94.00	CSC		0.00 - 0.00	9.30		POT	BODYFG	SAND		
70.00	94.00	CSC		0.00 - 0.00	0.80		POT	BODYFG	CRMK	SAND	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
SITENO = 23DU209											
70.00	94.00	CSC		0.00 - 0.00	5.60	2	CL	FLA	OQZ		
70.00	94.00	CSC		0.00 - 0.00	12.50	6	CL	FLA	DECORT	OQZ	
70.00	94.00	CSC		0.00 - 0.00	24.90	28	CL	FLA	CRR		
70.00	94.00	CSC		0.00 - 0.00	56.70	39	CL	FLA	DECORT	CRR	
70.00	94.00	CSC		0.00 - 0.00	172.40	54	CL	FLA	DECORT	CRY	
70.00	94.00	CSC		0.00 - 0.00	14.20	27	CL	FLA	CRY		
70.00	94.00	CSC		0.00 - 0.00	3.20	1	CL	FLA	SPOKS	RUM	CRY
70.00	94.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	RUM	CRY	
70.00	94.00	CSC		0.00 - 0.00	1.10	3	CL	FLA	SPOKS	RUM	CRR
70.00	94.00	CSC		0.00 - 0.00	0.90	3	CL	FLA	SFTLP	CRY	
70.00	94.00	CSC		0.00 - 0.00	3.20	3	CL	FLA	WHCRT		
70.00	94.00	CSC		0.00 - 0.00	308.70	1	CL	COBL	TESTED	CRR	
70.00	94.00	CSC		0.00 - 0.00	27.30	3	CL	SHAT	CRR		
70.00	94.00	CSC		0.00 - 0.00	6.80	2	CL	SHAT	CRY		
70.00	94.00	CSC		0.00 - 0.00	19.10	1	CL	BIFK	ST2	CRY	
70.00	94.00	CSC		0.00 - 0.00	25.90	1	CL	BIFK	CRR	FP	
70.00	94.00	CSC		0.00 - 0.00	5.40	1	CL	BIFK	CRR	DS	
70.00	94.00	CSC		0.00 - 0.00	5.30	1	GLASS	WHO			
76.00	94.00	CSC		0.00 - 0.00	340.60	1	CL	COBTO	CHOP	CRY	
76.00	94.00	CSC		0.00 - 0.00	448.50	5	CL	COBL	TESTED	CRY	
76.00	94.00	CSC		0.00 - 0.00	94.80	8	CL	SHAT	CRY		
76.00	94.00	CSC		0.00 - 0.00	6.60	1	CL	SHAT	OQZ		
76.00	94.00	CSC		0.00 - 0.00	20.10	5	CL	SHAT	CRR		
76.00	94.00	CSC		0.00 - 0.00	142.30	24	CL	FLA	DECORT	CRY	
76.00	94.00	CSC		0.00 - 0.00	11.00	9	CL	FLA	SFTLP	CRY	
76.00	94.00	CSC		0.00 - 0.00	29.50	28	CL	FLA	CRY		
76.00	94.00	CSC		0.00 - 0.00	1.80	2	CL	FLA	SFTLP	CRY	
76.00	94.00	CSC		0.00 - 0.00	59.60	21	CL	FLA	DECORT	CRR	
76.00	94.00	CSC		0.00 - 0.00	47.00	26	CL	FLA	CRR		
76.00	94.00	CSC		0.00 - 0.00	0.90	2	CL	FLA	SFTLP	CRR	
76.00	94.00	CSC		0.00 - 0.00	6.90	3	CL	SHAT	OQZ		
76.00	94.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	OQZ		
76.00	94.00	CSC		0.00 - 0.00	3.50	2	CL	FLA	DECORT	OQZ	
76.00	94.00	CSC		0.00 - 0.00	3.00	2	CL	FLA	CRT		
76.00	94.00	CSC		0.00 - 0.00	17.10	3	URM	CHNK	HEM		
76.00	94.00	BATR		0.00 - 0.00	5.00	1	CL	FLA	DECORT	CRR	
76.00	94.00	CSC		0.00 - 0.00	3.20	1	CL	FLA	SPOKS	RUM	CRR
76.00	94.00	CSC		0.00 - 0.00	26.50	1	CL	FLA	SCR	DECORT	CRY
76.00	94.00	CSC		0.00 - 0.00	10.80	1	CL	BIFK	ST2	CRY	
76.00	94.00	CSC		0.00 - 0.00	296.90	1	GRL	HAM	CRR		
76.00	94.00	CSC		0.00 - 0.00	352.30	1	GRL	HAM	OQZ		
76.00	94.00	CSC		0.00 - 0.00	7.80	4	POT	BODYFG	SAND		
76.00	94.00	CSC		0.00 - 0.00	1175.70	1	GRL	PECK	SS		
76.00	94.00	CSC		0.00 - 0.00	4.20	2	CL	FLA	SFTLP	CRR	
82.00	94.00	CSC		0.00 - 0.00	3.60	1	CL	PPK	CRT	MD	
82.00	94.00	CSC		0.00 - 0.00	13.90	1	CL	DART	CNTRST	OQZ	
82.00	94.00	CSC		0.00 - 0.00	7.50	1	CL	BIFK	CRR	FR	FC
82.00	94.00	CSC		0.00 - 0.00	50.00	1	CL	BIFK	ST2	CRY	
82.00	94.00	CSC		0.00 - 0.00	7.10	1	CL	BIFK	ST3	CRY	DS
82.00	94.00	CSC		0.00 - 0.00	20.40	1	CL	BIFK	ST1	CRY	
82.00	94.00	CSC		0.00 - 0.00	2.30	2	POT	BODY	CRMK	SAND	
82.00	94.00	CSC		0.00 - 0.00	9.00	5	POT	BODY	SAND		
82.00	94.00	CSC		0.00 - 0.00	1.50		POT	PEL			
82.00	94.00	CSC		0.00 - 0.00	1.50	2	CL	FLA	CRY		
82.00	94.00	CSC		0.00 - 0.00	4.10	1	CL	FLA	RUM	CRY	
82.00	94.00	CSC		0.00 - 0.00	1.60	1	CL	FLA	SPOKS	RUM	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU209										
82.00	94.00	CSC		0.00 - 0.00	2.20	3	CL	FLA	SFTLP	CRY
82.00	94.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	SFTLP	CRF
82.00	94.00	CSC		0.00 - 0.00	5.90	9	CL	FLA	CRF	FC
82.00	94.00	CSC		0.00 - 0.00	105.20	29	CL	FLA	DECORT	CRY
82.00	94.00	CSC		0.00 - 0.00	105.50	41	CL	FLA	CRY	
82.00	94.00	CSC		0.00 - 0.00	61.50	4	CL	SHAT	CRY	
82.00	94.00	CSC		0.00 - 0.00	22.90	34	CL	FLA	CRF	
82.00	94.00	CSC		0.00 - 0.00	116.20	29	CL	FLA	DECORT	CRF
82.00	94.00	CSC		0.00 - 0.00	52.90	10	CL	FLA	CRF	FC
82.00	94.00	CSC		0.00 - 0.00	177.90	22	CL	SHAT	CRF	
82.00	94.00	CSC		0.00 - 0.00	55.90	2	CL	SHAT	OQZ	
82.00	94.00	CSC		0.00 - 0.00	12.10	2	CL	FLA	DECORT	OQZ
82.00	94.00	CSC		0.00 - 0.00	171.00	3	CL	COBL	TESTED	CRY
82.00	94.00	CSC		0.00 - 0.00	0.50	2	CL	FLA	WHCRT	
82.00	94.00	CSC		0.00 - 0.00	29.00	1	CL	SHAT	RUM	CRY
82.00	94.00	CSC		0.00 - 0.00	37.60	1	URM	CHNK	SS	
88.00	94.00	CSC		0.00 - 0.00	50.70		URM	CHNK		
88.00	94.00	CSC		0.00 - 0.00	21.00	7	POT	BODY	SAND	
88.00	94.00	CSC		0.00 - 0.00	8.70	3	POT	BODY	CRMK	SAND
88.00	94.00	CSC		0.00 - 0.00	3.60	3	POT	BODY	SHELL	
88.00	94.00	CSC		0.00 - 0.00	15.10	29	CL	FLA	DECORT	CRY
88.00	94.00	CSC		0.00 - 0.00	1.90	1	CL	FLA	RUM	CRY
88.00	94.00	CSC		0.00 - 0.00	18.00	26	CL	FLA	CRY	
88.00	94.00	CSC		0.00 - 0.00	4.20	6	CL	FLA	SFTLP	CRY
88.00	94.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	DECORT	CRY
88.00	94.00	CSC		0.00 - 0.00	38.20	2	CL	SHAT	RUM	CRY
88.00	94.00	CSC		0.00 - 0.00	30.20	4	CL	SHAT	CRY	
88.00	94.00	CSC		0.00 - 0.00	108.40	47	CL	FLA	DECORT	CRF
88.00	94.00	CSC		0.00 - 0.00	5.60	6	POT	BODYFG	SAND	
88.00	94.00	CSC		0.00 - 0.00	31.20	32	CL	FLA	CRF	
88.00	94.00	CSC		0.00 - 0.00	1.80		POT	BODYFG	CRMK	SAND
88.00	94.00	CSC		0.00 - 0.00	10.90	3	CL	SHAT	CRF	
88.00	94.00	CSC		0.00 - 0.00	8.40	5	CL	FLA	CRT	
88.00	94.00	CSC		0.00 - 0.00	88.90	3	CL	COBL	TESTED	CRY
88.00	94.00	CSC		0.00 - 0.00	19.50	8	CL	FLA	OQZ	
88.00	94.00	CSC		0.00 - 0.00	45.00	4	CL	SHAT	OQZ	
88.00	94.00	CSC		0.00 - 0.00	2.90	1	CL	FLA	SPOKS	DECORT CRF
88.00	94.00	CSC		0.00 - 0.00	2.90	1	CL	FLA	SPOKS	DECORT CRF
88.00	94.00	CSC		0.00 - 0.00	0.40	2	CL	FLA	SFTLP	CRF
88.00	94.00	CSC		0.00 - 0.00	3.20	3	CL	FLA	CRT	
88.00	94.00	CSC		0.00 - 0.00	1.60	1	CL	FLA	WHCRT	
88.00	94.00	CSC		0.00 - 0.00	1.00	1	CL	ARROW	EXPNST	CRF
88.00	94.00	CSC		0.00 - 0.00	10.10	1	CL	DRAWL	CRF	PX
88.00	94.00	CSC		0.00 - 0.00	1.1[illegible]	1	CL	BIFK	CRY	FP
88.00	94.00	CSC		0.00 - 0.00	288.60	1	URM	CHNK	SCH	
94.00	94.00	CSC		0.00 - 0.00	28.10	10	POT	BODY	SAND	
94.00	94.00	CSC		0.00 - 0.00	2.40	1	POT	BODY	CRMK	SAND
94.00	94.00	CSC		0.00 - 0.00	1.50	1	POT	BODY	SHELL	
94.00	94.00	CSC		0.00 - 0.00	13.40		POT	BODYFG	SAND	
94.00	94.00	CSC		0.00 - 0.00	3.30		POT	PEL		
94.00	94.00	CSC		0.00 - 0.00	4.70	5	CL	FLA	SFTLP	CRY
94.00	94.00	CSC		0.00 - 0.00	4.10	1	CL	FLA	RUM	CRY
94.00	94.00	CSC		0.00 - 0.00	22.70	38	CL	FLA	CRY	
94.00	94.00	CSC		0.00 - 0.00	3.50	2	CL	FLA	DECORT	CRY
94.00	94.00	CSC		0.00 - 0.00	171.90	37	CL	FLA	DECORT	CRY
94.00	94.00	CSC		0.00 - 0.00	26.00	3	CL	SHAT	CRY	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
SITENO = 23DU289											
94.00	94.00	CSC		0.00 - 0.00	2.30	2	CL	FLA	CRT		
94.00	94.00	CSC		0.00 - 0.00	7.10	4	CL	FLA	WHCRT		
94.00	94.00	CSC		0.00 - 0.00	2.30	4	CL	FLA	OQZ		
94.00	94.00	CSC		0.00 - 0.00	6.00	1	CL	DART	CNTRST	CRP	PI FC
94.00	94.00	CSC		0.00 - 0.00	112.80	45	CL	FLA	DECORT	CRP	
94.00	94.00	CSC		0.00 - 0.00	13.40	1	CL	BIFK	CRP	FP	
94.00	94.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	SFTLP	CRT	
94.00	94.00	CSC		0.00 - 0.00	25.90	48	CL	FLA	CRT		
94.00	94.00	CSC		0.00 - 0.00	4.10	3	CL	FLA	SFTLP	CRR	
94.00	94.00	CSC		0.00 - 0.00	1.40	1	CL	FLA	DECORT	CRT	
94.00	94.00	CSC		0.00 - 0.00	16.50	2	CL	SHAT	CRR		
100.00	94.00	CSC		0.00 - 0.00	12.90	5	POT	BODY	SAND		
100.00	94.00	CSC		0.00 - 0.00	7.10		POT	BODYFG	SAND		
100.00	94.00	CSC		0.00 - 0.00	86.90	6	CL	FLA	DECORT	OQZ	
100.00	94.00	CSC		0.00 - 0.00	10.00	7	CL	FLA	OQZ		
100.00	94.00	CSC		0.00 - 0.00	19.50	21	CL	FLA	CRY		
100.00	94.00	CSC		0.00 - 0.00	19.20	3	CL	FLA	RUM	CRY	
100.00	94.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	LUNA	CRY	
100.00	94.00	CSC		0.00 - 0.00	6.10	10	CL	FLA	SFTLP	CRY	
100.00	94.00	CSC		0.00 - 0.00	6.00	2	CL	FLA	DECORT	CRY	
100.00	94.00	CSC		0.00 - 0.00	339.50	34	CL	FLA	DECORT	CRY	
100.00	94.00	CSC		0.00 - 0.00	3.20	1	CL	PPK	EXPNST	CRY	
100.00	94.00	CSC		0.00 - 0.00	342.20	1	GRL	HAM	OQZ		
100.00	94.00	CSC		0.00 - 0.00	7.40	1	CL	BIFK	ST2	CRR	FR
100.00	94.00	CSC		0.00 - 0.00	102.20	1	CL	CORE	CRY		
100.00	94.00	CSC		0.00 - 0.00	26.80	1	CL	BIFK	ST2	CRY	
100.00	94.00	CSC		0.00 - 0.00	4.20	14	CL	FLA	CRR		
100.00	94.00	CSC		0.00 - 0.00	62.50	26	CL	FLA	DECORT	CRP	
100.00	94.00	CSC		0.00 - 0.00	3.50	6	CL	FLA	SFTLP	CRP	
100.00	94.00	CSC		0.00 - 0.00	1.90	4	CL	FLA	CRR	FR	
100.00	94.00	CSC		0.00 - 0.00	1.40	3	CL	FLA	WHCRT		
100.00	94.00	CSC		0.00 - 0.00	18.90		URM	CHNK			
106.00	94.00	CSC		0.00 - 0.00	27.50		URM	CHNK	FC		
106.00	94.00	CSC		0.00 - 0.00	9.00	1	POT	BODY	CRMK	SAND	
106.00	94.00	CSC		0.00 - 0.00	2.20	1	POT	BODY	SAND		
106.00	94.00	CSC		0.00 - 0.00	1.10		POT	BODYFG	SAND		
106.00	94.00	CSC		0.00 - 0.00	2.80		POT	BODYFG	SAND		
106.00	94.00	CSC		0.00 - 0.00	2.40		POT	PEL			
106.00	94.00	CSC		0.00 - 0.00	1.70	1	CL	PPK	CRT	FP	
106.00	94.00	CSC		0.00 - 0.00	76.80	17	CL	FLA	DECORT	CRY	
106.00	94.00	CSC		0.00 - 0.00	7.10	4	CL	FLA	SFTLP	CRY	
106.00	94.00	CSC		0.00 - 0.00	0.50	2	CL	FLA	SFTLP	CRY	
106.00	94.00	CSC		0.00 - 0.00	9.50	2	CL	FLA	RUM	CRY	
106.00	94.00	CSC		0.00 - 0.00	3.30	5	CL	FLA	CRY		
106.00	94.00	CSC		0.00 - 0.00	58.00	25	CL	FLA	DECORT	CRR	
106.00	94.00	CSC		0.00 - 0.00	14.30	2	CL	FLA	OQZ		
106.00	94.00	CSC		0.00 - 0.00	11.00	1	URM	CHNK	LIM		
106.00	94.00	CSC		0.00 - 0.00	0.90	3	CL	FLA	WHCRT		
106.00	94.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	QZIT		
106.00	94.00	CSC		0.00 - 0.00	3.40	13	CL	FLA	CRR		
106.00	94.00	CSC		0.00 - 0.00	497.80	1	GRL	GROUND	OQZ		
106.00	94.00	CSC		0.00 - 0.00	29.10	3	CL	SHAT	CRY		
106.00	94.00	CSC		0.00 - 0.00	4.40	2	CL	FLA	CRT		
106.00	94.00	CSC		0.00 - 0.00	5.70	1	CL	CORE	CRY		
112.00	94.00	CSC		0.00 - 0.00	36.60	5	CL	SHAT	OQZ		
112.00	94.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	OQZ		

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU289										
112.00	94.00	CSC		0.00 - 0.00	14.20	4	CL	FLA	CRY	
112.00	94.00	CSC		0.00 - 0.00	3.30	4	CL	FLA	SFTLP	CRY
106.00	94.00	CSC		0.00 - 0.00	61.50	19	CL	FLA	DECORT	CRY
112.00	94.00	CSC		0.00 - 0.00	27.70	22	CL	FLA	DECORT	CRP
112.00	94.00	CSC		0.00 - 0.00	11.90	15	CL	FLA	CRP	
112.00	94.00	CSC		0.00 - 0.00	4.00	4	CL	FLA	SFTLP	CRP
112.00	94.00	CSC		0.00 - 0.00	12.00	8	CL	SHAT	CRP	
112.00	94.00	CSC		0.00 - 0.00	7.30	1	CL	DART	CORNT	CRT
112.00	94.00	CSC		0.00 - 0.00	20.00	1	CL	BIFK	STI	CRY
112.00	94.00	CSC		0.00 - 0.00	142.30	1	CL	COBL	TESTED	CRY
112.00	94.00	CSC		0.00 - 0.00	1.20	1	POT	BODYFG	SAND	
118.00	94.00	CSC		0.00 - 0.00	2.10	1	POT	BODY	SAND	
118.00	94.00	CSC		0.00 - 0.00	2.60	1	POT	BODY	CRMK	SAND
118.00	94.00	CSC		0.00 - 0.00	30.90	8	CL	FLA	DECORT	CRP
118.00	94.00	CSC		0.00 - 0.00	71.70	11	CL	FLA	DECORT	CRY
118.00	94.00	CSC		0.00 - 0.00	5.00	4	CL	FLA	CRP	
118.00	94.00	CSC		0.00 - 0.00	7.90	6	CL	FLA	CRY	
118.00	94.00	CSC		0.00 - 0.00	0.80	2	CL	FLA	SFTLP	CRY
118.00	94.00	CSC		0.00 - 0.00	0.60	2	CL	FLA	SFTLP	CRP
118.00	94.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	RUM	CRP
118.00	94.00	CSC		0.00 - 0.00	5.50	1	CL	FLA	DECORT	OBZ
118.00	94.00	CSC		0.00 - 0.00	5.80	4	CL	SHAT	CRP	
118.00	94.00	CSC		0.00 - 0.00	0.60	1	CL	SHAT	CRY	
118.00	94.00	CSC		0.00 - 0.00	1.40	2	URM	CHNK		
130.00	94.00	CSC		0.00 - 0.00	36.00	1	CL	CORE	CRY	FR
130.00	94.00	CSC		0.00 - 0.00	50.00	1	GRL	PITS	SS	
130.00	94.00	CSC		0.00 - 0.00	12.80	8	CL	FLA	DECORT	CRY
130.00	94.00	CSC		0.00 - 0.00	1.40	3	CL	FLA	CRY	
130.00	94.00	CSC		0.00 - 0.00	0.40	2	CL	FLA	CRP	
130.00	94.00	CSC		0.00 - 0.00	0.70	1	CL	FLA	OBZ	
130.00	94.00	CSC		0.00 - 0.00	23.20		URM	CHNK	FC	
136.00	94.00	CSC		0.00 - 0.00	8.40	1	CL	SCR	WHCRT	
136.00	94.00	CSC		0.00 - 0.00	7.40	1	CL	FLA	DECORT	CRP
136.00	94.00	CSC		0.00 - 0.00	2.00	1	CL	FLA	DECORT	CRY
142.00	94.00	CSC		0.00 - 0.00	129.00	1	CL	CORE	OBZ	
142.00	94.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	WHCRT	
142.00	94.00	CSC		0.00 - 0.00	0.10	2	CL	FLA	OBZ	
142.00	94.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	CRY	
142.00	94.00	CSC		0.00 - 0.00	0.70	4	CL	FLA	CRP	
142.00	94.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	DECORT	CRP
142.00	94.00	CSC		0.00 - 0.00	1.10	1	CL	FLA	DECORT	CRY
148.00	94.00	CSC		0.00 - 0.00	3.00	1	CL	FLA	DECORT	CRY
148.00	94.00	CSC		0.00 - 0.00	3.00	5	CL	SHAT	CRP	
148.00	94.00	CSC		0.00 - 0.00	29.00		URM	CHNK		
154.00	94.00	CSC		0.00 - 0.00	1.40	9	ANIM	BONE	CAL	
154.00	94.00	CSC		0.00 - 0.00	0.60	2	ANIM	TURTLE	CAL	
154.00	94.00	CSC		0.00 - 0.00	13.00		URM	CHNK	FC	
154.00	94.00	CSC		0.00 - 0.00	3.40	2	CL	FLA	DECORT	CRY
166.00	94.00	CSC		0.00 - 0.00	1.70	2	CL	FLA	CRP	
166.00	94.00	CSC		0.00 - 0.00	10.00	1	URM	CHNK	FC	
172.00	94.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRP	
178.00	94.00	CSC		0.00 - 0.00	6.40	1	CL	CORE	EXHAUST	CRP
178.00	94.00	CSC		0.00 - 0.00	14.30	1	URM	CHNK	FC	
184.00	94.00	CSC		0.00 - 0.00	2.60	1	CL	FLA	DECORT	CRY
184.00	94.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	DECORT	CRP
184.00	94.00	CSC		0.00 - 0.00	1.30	1	URM	CHNK	FC	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU289										
190.00	94.00	CSC		0.00 - 0.00	44.50	1	GRL	HAM	QZIT	
190.00	94.00	CSC		0.00 - 0.00	1.10	2	CL	FLA	CRY	
190.00	94.00	CSC		0.00 - 0.00	4.00		URM	CHNK	FC	
196.00	94.00	CSC		0.00 - 0.00	56.40	1	URM	CHNK	FC	
202.00	94.00	CSC		0.00 - 0.00	10.30	1	URM	CHNK	FC	
208.00	94.00	CSC		0.00 - 0.00	4.50		URM	CHNK	FC	
214.00	94.00	CSC		0.00 - 0.00	6.60	1	CL	DART	CNTRST	CRP
214.00	94.00	CSC		0.00 - 0.00	6.60	1	CL	FLA	DECORT	CRY
214.00	94.00	CSC		0.00 - 0.00	19.20	2	URM	CHNK	CRP	FC
220.00	94.00	CSC		0.00 - 0.00	9.40		URM	CHNK	FC	
226.00	94.00	CSC		0.00 - 0.00	18.50		URM	CHNK	FC	
226.00	94.00	CSC		0.00 - 0.00	59.70		METAL	TACK	FERS	
232.00	94.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRP	
94.00	52.00	CSC		0.00 - 0.00	1.80	1	CL	FLA	CRY	
94.00	52.00	CSC		0.00 - 0.00	479.30	1	GRL	HAM	QRZ	
94.00	58.00	CSC		0.00 - 0.00	33.20	1	CL	BIFK	ST2	CRY
94.00	64.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	CRP	
94.00	70.00	CSC		0.00 - 0.00	3.20	2	POT	BODYFG	SAND	
94.00	70.00	CSC		0.00 - 0.00	2.60	2	CL	FLA	CRY	
94.00	70.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRY
94.00	70.00	CSC		0.00 - 0.00	3.10	1	CL	FLA	DECORT	CRY
94.00	76.00	CSC		0.00 - 0.00	3.80	2	POT	BODY	SAND	
94.00	76.00	CSC		0.00 - 0.00	43.30	6	CL	FLA	DECORT	CRY
94.00	76.00	CSC		0.00 - 0.00	27.00	8	CL	FLA	DECORT	CRP
94.00	76.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	CRY	
94.00	76.00	CSC		0.00 - 0.00	2.20	2	CL	FLA	CRP	
94.00	76.00	CSC		0.00 - 0.00	158.30	1	CL	COBTO	QZIT	
94.00	76.00	CSC		0.00 - 0.00	1.20	1	CL	FLA	CRY	
94.00	76.00	CSC		0.00 - 0.00	26.80		URM	CHNK	FC	
94.00	76.00	CSC		0.00 - 0.00	40.40	1	CL	PEBL	TESTED	CRP
94.00	82.00	CSC		0.00 - 0.00	2.10		POT	BODYFG	SAND	
94.00	82.00	CSC		0.00 - 0.00	6.80	2	POT	BODY	SAND	
94.00	82.00	CSC		0.00 - 0.00	5.20	2	POT	BODY	CRMK	SAND
94.00	82.00	CSC		0.00 - 0.00	1.90	1	CL	PPK	CRY	DS
94.00	82.00	CSC		0.00 - 0.00	33.10	16	CL	FLA	CRP	
94.00	82.00	CSC		0.00 - 0.00	105.40	11	CL	FLA	DECORT	CRP
94.00	82.00	CSC		0.00 - 0.00	490.50	1	GRL	HAM	CRY	
94.00	82.00	CSC		0.00 - 0.00	54.60	19	CL	FLA	DECORT	CRP
94.00	82.00	CSC		0.00 - 0.00	13.80	3	CL	FLA	QRZ	
94.00	82.00	CSC		0.00 - 0.00	1.90	3	CL	FLA	SFTLP	CRY
94.00	82.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	WHCRT	
94.00	82.00	CSC		0.00 - 0.00	2.60	3	CL	FLA	DECORT	CRY
94.00	82.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	SFTLP	CRP
94.00	82.00	CSC		0.00 - 0.00	1.50	1	CL	FLA	CRT	
94.00	82.00	CSC		0.00 - 0.00	4.20	1	CL	SHAT	RUM	CRY
94.00	82.00	CSC		0.00 - 0.00	112.80	2	CL	CORE	CRY	
94.00	82.00	CSC		0.00 - 0.00	141.40	1	CL	DRIP	CRY	
94.00	88.00	CSC		0.00 - 0.00	13.10	4	POT	BODY	CRMK	SAND
94.00	88.00	CSC		0.00 - 0.00	1.00	1	POT	PEL		
94.00	88.00	CSC		0.00 - 0.00	75.00	1	CL	CORE	CRY	FR
94.00	88.00	CSC		0.00 - 0.00	16.40	1	CL	BIFK	ST2	CRY
94.00	88.00	CSC		0.00 - 0.00	25.60	1	CL	BIFK	ST1	CRT
94.00	88.00	CSC		0.00 - 0.00	75.80	1	CL	COBL	TESTED	CRP
94.00	88.00	CSC		0.00 - 0.00	165.00	3	CL	COBL	TESTED	CRY
94.00	88.00	CSC		0.00 - 0.00	104.10	18	CL	FLA	DECORT	CRP
94.00	88.00	CSC		0.00 - 0.00	39.90	8	CL	FLA	DECORT	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU289										
94.00	88.00	CSC		0.00 - 0.00	18.40	16	CL	FLA	CRY	
94.00	88.00	CSC		0.00 - 0.00	16.00	10	CL	FLA	CPP	
94.00	88.00	CSC		0.00 - 0.00	5.30	6	CL	FLA	SFTLP	CRY
94.00	88.00	CSC		0.00 - 0.00	11.30	2	CL	FLA	OQZ	
94.00	88.00	CSC		0.00 - 0.00	42.90	2	CL	SHAT	CRY	
94.00	88.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	RUM	CRY
94.00	100.00	CSC		0.00 - 0.00	14.60	4	POT	BODY	SAND	
94.00	100.00	CSC		0.00 - 0.00	1.90	1	POT	BODYFG	SAND	
94.00	100.00	CSC		0.00 - 0.00	2.10	1	POT	BODYFG	SHELL	
94.00	100.00	CSC		0.00 - 0.00	0.70	1	POT	RIMFG	SAND	
94.00	100.00	CSC		0.00 - 0.00	23.80	14	CL	FLA	CRR	
94.00	100.00	CSC		0.00 - 0.00	4.70	2	CL	FLA	SFTLP	CRR
94.00	100.00	CSC		0.00 - 0.00	164.20	29	CL	FLA	CRR	
94.00	100.00	CSC		0.00 - 0.00	10.80	2	CL	FLA	OQZ	
94.00	100.00	CSC		0.00 - 0.00	8.90	1	CL	BIFK	CRT	
94.00	100.00	CSC		0.00 - 0.00	6.70	1	CL	BIFK	CRT	
94.00	100.00	CSC		0.00 - 0.00	0.80	1	CL	PPK	CRR	
94.00	100.00	CSC		0.00 - 0.00	7.60	2	CL	SHAT	CRR	
94.00	100.00	CSC		0.00 - 0.00	86.50	1	GRL	HAM	QZIT	FR
94.00	100.00	CSC		0.00 - 0.00	9.10	9	CL	FLA	CRY	
94.00	100.00	CSC		0.00 - 0.00	0.40	2	CL	FLA	SFTLP	CRY
94.00	100.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	LUNA	CRY
94.00	100.00	CSC		0.00 - 0.00	82.10	19	CL	FLA	DECORT	CRY
94.00	100.00	CSC		0.00 - 0.00	15.50		URM	CHNK	FC	
94.00	100.00	CSC		0.00 - 0.00	141.70	1	CL	CORE	CRY	
94.00	100.00	CSC		0.00 - 0.00	38.70	1	CL	PEBL	TESTED	CRY
94.00	106.00	CSC		0.00 - 0.00	46.20	22	CL	FLA	DECORT	CRR FC
94.00	106.00	CSC		0.00 - 0.00	4.00	10	CL	FLA	DECORT	CRR FC
94.00	106.00	CSC		0.00 - 0.00	22.40	16	CL	FLA	CRR	
94.00	106.00	CSC		0.00 - 0.00	16.20	17	CL	FLA	CRR	
94.00	106.00	CSC		0.00 - 0.00	3.00	2	CL	SHAT	CRR	
94.00	106.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	SFTLP	CRR
94.00	106.00	CSC		0.00 - 0.00	2.00	1	CL	FLA	RUM	CRR
94.00	106.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	WHCRT	
94.00	106.00	CSC		0.00 - 0.00	13.50	1	CL	BIFK	ST2	CRR PX
94.00	106.00	CSC		0.00 - 0.00	11.00	6	CL	FLA	OQZ	
94.00	106.00	CSC		0.00 - 0.00	25.60	5	CL	SHAT	OQZ	
94.00	106.00	CSC		0.00 - 0.00	17.40	8	POT	BODY	SAND	
94.00	106.00	CSC		0.00 - 0.00	32.00	22	CL	FLA	CRY	
94.00	106.00	CSC		0.00 - 0.00	39.40	20	CL	FLA	DECORT	CRY
94.00	106.00	CSC		0.00 - 0.00	24.50	5	CL	FLA	SFTLP	CRY
94.00	106.00	CSC		0.00 - 0.00	74.50	1	CL	COBL	TESTED	CRY
94.00	106.00	CSC		0.00 - 0.00	710.10	1	GRL	PITS	GROUND	OQZ
94.00	106.00	CSC		0.00 - 0.00	24.20	3	URM	CHNK		
94.00	112.00	CSC		0.00 - 0.00	33.40	11	CL	FLA	DECORT	CRY
94.00	112.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRY
94.00	112.00	CSC		0.00 - 0.00	6.10	7	CL	FLA	CRY	
94.00	112.00	CSC		0.00 - 0.00	39.80	4	CL	SHAT	CRY	
94.00	112.00	CSC		0.00 - 0.00	22.80	2	URM	CHNK	FC	
94.00	112.00	CSC		0.00 - 0.00	1.70	1	CL	FLA	WHCRT	
94.00	112.00	CSC		0.00 - 0.00	2.60	3	CL	FLA	CRR	
94.00	112.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRR
94.00	112.00	CSC		0.00 - 0.00	0.90	1	CL	FLA	DECORT	CRR
94.00	112.00	CSC		0.00 - 0.00	4.30	5	CL	FLA	CRR	
94.00	112.00	CSC		0.00 - 0.00	19.70	8	CL	FLA	DECORT	CRR
94.00	112.00	CSC		0.00 - 0.00	30.50	5	CL	SHAT	CRR	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITEID = 23BU289										
94.00	112.00	CSC		0.00 - 0.00	9.60	3	CL	FLA	OQZ	
94.00	112.00	CSC		0.00 - 0.00	24.40	1	CL	SHAT	OQZ	
94.00	112.00	CSC		0.00 - 0.00	82.50	1	CL	CORE	OQZ	
94.00	118.00	CSC		0.00 - 0.00	0.50	1	SHELL	FR		
94.00	118.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRR	
94.00	118.00	CSC		0.00 - 0.00	18.20	1	CL	FLA	DECORT	CRY
94.00	118.00	CSC		0.00 - 0.00	128.00	2	URM	CHNK	LEM	
226.00	70.00	CSC		0.00 - 0.00	26.90		URM	CHNK	FC	
226.00	76.00	CSC		0.00 - 0.00	9.50		URM	CHNK	FC	
226.00	76.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	WHCRT	
226.00	76.00	CSC		0.00 - 0.00	5.20	1	CL	SHAT	CRY	
226.00	100.00	CSC		0.00 - 0.00	16.00		URM	CHNK		
226.00	100.00	CSC		0.00 - 0.00	6.70	2	CL	FLA	DECORT	OQZ
226.00	100.00	CSC		0.00 - 0.00	10.00	1	CL	FLA	DECORT	CRR
226.00	100.00	CSC		0.00 - 0.00	2.40	1	CL	FLA	DECORT	CRT
226.00	100.00	CSC		0.00 - 0.00	0.80	1	CL	FLA	SFTLP	CRR
226.00	100.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRY
226.00	100.00	CSC		0.00 - 0.00	128.40	1	CL	CORE	TESTED	CRY
226.00	106.00	CSC		0.00 - 0.00	58.30	6	CL	FLA	DECORT	CRY
226.00	106.00	CSC		0.00 - 0.00	62.50	7	CL	FLA	DECORT	CRR
226.00	106.00	CSC		0.00 - 0.00	77.70	2	CL	FLA	DECORT	QTZ
226.00	106.00	CSC		0.00 - 0.00	2.20	2	CL	FLA	CRY	
226.00	112.00	CSC		0.00 - 0.00	1.40	1	CL	FLA	DECORT	CRR
226.00	112.00	CSC		0.00 - 0.00	0.20	1	CL	FLA	CRR	FC
226.00	112.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRR	
226.00	112.00	CSC		0.00 - 0.00	9.40	11	CL	FLA	DECORT	CRR
226.00	112.00	CSC		0.00 - 0.00	1.20	1	CL	FLA	WHCRT	
226.00	112.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	DECORT	CRY
226.00	112.00	CSC		0.00 - 0.00	10.10	6	CL	FLA	DECORT	CRY
226.00	112.00	CSC		0.00 - 0.00	2.90	4	CL	FLA	CRY	
226.00	112.00	CSC		0.00 - 0.00	4.50	1	CL	BIFK	CRY	FR
226.00	112.00	CSC		0.00 - 0.00	25.20	1	CL	FLA	DECORT	CRY
226.00	112.00	CSC		0.00 - 0.00	145.70	6	CL	SHAT	CRR	
226.00	112.00	CSC		0.00 - 0.00	66.10	3	CL	SHAT	OQZ	
226.00	112.00	CSC		0.00 - 0.00	1.10	1	CL	FLA	OQZ	
226.00	112.00	CSC		0.00 - 0.00	38.60	1	CL	CORE	CRY	
226.00	112.00	CSC		0.00 - 0.00	22.10		URM	CHNK	FC	
226.00	112.00	CSC		0.00 - 0.00	26.70	1	CL	BIFK	ST1	CRY
226.00	118.00	CSC		0.00 - 0.00	98.90		URM	CHNK	LEM	
226.00	118.00	CSC		0.00 - 0.00	32.30		URM	CHNK	FC	
226.00	124.00	CSC		0.00 - 0.00	11.50	1	CL	FLA	DECORT	CRY
226.00	124.00	CSC		0.00 - 0.00	37.20	1	CL	FLA	DECORT	CRR
226.00	124.00	CSC		0.00 - 0.00	64.00		URM	CHNK	FC	
226.00	124.00	CSC		0.00 - 0.00	218.60		URM	CHNK	LEM	
226.00	130.00	CSC		0.00 - 0.00	279.00	1	CL	CORE	CRY	
226.00	130.00	CSC		0.00 - 0.00	72.10	1	CL	SHAT	CRY	
226.00	130.00	CSC		0.00 - 0.00	2.50	1	POT	BODY	CRMK	SAND
226.00	130.00	CSC		0.00 - 0.00	77.90		URM	CHNK	LEM	
226.00	130.00	CSC		0.00 - 0.00	128.40		URM	CHNK	FC	
226.00	136.00	CSC		0.00 - 0.00	1.90	1	SHELL	MUSSEL		
226.00	136.00	CSC		0.00 - 0.00	37.20		URM	CHNK	FC	
226.00	136.00	CSC		0.00 - 0.00	234.50	1	URM	CHNK	OQZ	
226.00	136.00	CSC		0.00 - 0.00	47.40		URM	CHNK	LEM	
94.00	94.00	1X1M		0.00 - 11.00	12.60	32	CL	FLA	CRR	
94.00	94.00	1X1M		0.00 - 11.00	3.60	10	CL	FLA	CRR	FC
94.00	94.00	1X1M		0.00 - 11.00	1.10	6	CL	FLA	SFTLP	CRR

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
SITENO = 23NU289											
94.00	94.00	1X1M		0.00 - 11.00	53.00	32	CL	FLA	DECORT	CRR	
94.00	94.00	1X1M		0.00 - 11.00	14.00	11	CL	FLA	DECORT	CRR	FC
94.00	94.00	1X1M		0.00 - 11.00	7.50	1	CL	FLA	RUM	OQZ	
94.00	94.00	1X1M		0.00 - 11.00	1.10	1	CL	FLA	RUM	CRY	
94.00	94.00	1X1M		0.00 - 11.00	0.20	1	CL	FLA	CRY	FC	
94.00	94.00	1X1M		0.00 - 11.00	16.80	41	CL	FLA	CRY		
94.00	94.00	1X1M		0.00 - 11.00	2.40	6	CL	FLA	SFTLP	CRY	
94.00	94.00	1X1M		0.00 - 11.00	50.50	35	CL	FLA	DECORT	CRY	
94.00	94.00	1X1M		0.00 - 11.00	3.80	3	CL	FLA	SFTLP	CRY	
94.00	94.00	1X1M		0.00 - 11.00	6.00	1	CL	FLA	RUM	CRY	
94.00	94.00	1X1M		0.00 - 11.00	5.20	9	CL	FLA	OQZ		
94.00	94.00	1X1M		0.00 - 11.00	0.70	2	CL	FLA	OOL		
94.00	94.00	1X1M		0.00 - 11.00	0.40	1	CL	FLA	SFTLP	OQZ	
94.00	94.00	1X1M		0.00 - 11.00	0.80	1	CL	FLA	DECORT	OQZ	
94.00	94.00	1X1M		0.00 - 11.00	3.80	5	CL	FLA	WHCRT		
94.00	94.00	1X1M		0.00 - 11.00	3.30	1	CL	SHAT	WHCRT		
94.00	94.00	1X1M		0.00 - 11.00	1.20	1	GLASS	BROWN			
94.00	94.00	1X1M		0.00 - 11.00	8.50	3	POT	BODY	CRMK	SAND	
94.00	94.00	1X1M		0.00 - 11.00	2.60	6	POT	BODY	SHELL		
94.00	94.00	1X1M		0.00 - 11.00	54.30	58	POT	BODY	SAND		
94.00	94.00	1X1M		0.00 - 11.00	3.70		POT	BODYFG			
94.00	94.00	1X1M		0.00 - 11.00	3.50		POT	PEL			
94.00	94.00	1X1M		0.00 - 11.00	18.20		URM	CHNK	FC		
94.00	94.00	1X1M		0.00 - 11.00	2.10	1	CL	SHAT	OOL		
94.00	94.00	1X1M		0.00 - 11.00	5.20	1	CL	SHAT	OQZ		
94.00	94.00	1X1M		0.00 - 11.00	3.60	1	CL	SHAT	CRY		
94.00	94.00	1X1M		16.00 - 26.00	23.30	25	CL	FLA	CRY		
94.00	94.00	1X1M		16.00 - 26.00	8.70	6	CL	FLA	DECORT	CRY	
94.00	94.00	1X1M		16.00 - 26.00	2.10	5	CL	FLA	SFTLP	CRY	
94.00	94.00	1X1M		16.00 - 26.00	26.00	1	CL	SHAT	CRY		
94.00	94.00	1X1M		16.00 - 26.00	1.00	3	CL	FLA	CRT	FC	
94.00	94.00	1X1M		16.00 - 26.00	1.10	2	CL	FLA	CRT		
94.00	94.00	1X1M		16.00 - 26.00	7.20	4	CL	FLA	DECORT	CRT	FC
94.00	94.00	1X1M		16.00 - 26.00	4.20	5	CL	FLA	DECORT	CRT	
94.00	94.00	1X1M		16.00 - 26.00	1.60	2	CL	FLA	OQZ		
94.00	94.00	1X1M		16.00 - 26.00	1.50	1	CL	FLA	DECORT	OQZ	
94.00	94.00	1X1M		16.00 - 26.00	0.90	3	CL	FLA	WHCRT		
94.00	94.00	1X1M		16.00 - 26.00	5.20	1	POT	BODY	CRMK	SAND	
94.00	94.00	1X1M		16.00 - 26.00	1.10	1	POT	BODY	SHELL		
94.00	94.00	1X1M		16.00 - 26.00	1.40	1	POT	BODY	SAND		
94.00	94.00	1X1M		16.00 - 26.00	7.50		POT	BODYFG	SAND		
94.00	94.00	1X1M		16.00 - 26.00	19.50		POT	PEL			
94.00	94.00	1X1M		16.00 - 26.00	0.10	1	ANIM	BONE	CAL		
94.00	94.00	1X1M		16.00 - 26.00	5.20	5	CL	FLA	SFTLP	CRR	
94.00	94.00	1X1M		16.00 - 26.00	1.50	2	CL	FLA	DECORT	CRR	
94.00	94.00	1X1M		16.00 - 26.00	2.80	8	CL	FLA	CRR	FC	
94.00	94.00	1X1M		16.00 - 26.00	3.70	9	CL	FLA	CRR		
94.00	94.00	1X1M		16.00 - 26.00	4.90	5	CL	FLA	DECORT	CRR	
94.00	94.00	1X1M		16.00 - 26.00	59.40	4	CL	SHAT	CRR		
94.00	94.00	1X1M		16.00 - 26.00	7.20		URM	CHNK	FC		
94.00	94.00	1X1M		26.00 - 36.00	2.60		URM	CHNK	FC		
94.00	94.00	1X1M		26.00 - 36.00	22.60		POT	PEL			
94.00	94.00	1X1M		26.00 - 36.00	0.80		ANIM	BONE	CAL		
94.00	94.00	1X1M		26.00 - 36.00	6.90	2	POT	BODY	CRMK	SAND	
94.00	94.00	1X1M		26.00 - 36.00	2.00		POT	BODYFG	SAND		
94.00	94.00	1X1M		26.00 - 36.00	0.20	1	FLOR	CHAR	NUT		

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITE# = 23DU289										
94.00	94.00	1X1M		26.00 - 36.00	0.40	1	CL	FLA	SFTLP	CRY
94.00	94.00	1X1M		26.00 - 36.00	26.30	27	CL	FLA	CRY	
94.00	94.00	1X1M		26.00 - 36.00	5.70	7	CL	FLA	SFTLP	CRP
94.00	94.00	1X1M		26.00 - 36.00	16.90	45	CL	FLA	CRP	
94.00	94.00	1X1M		26.00 - 36.00	3.10	6	CL	FLA	OQZ	
94.00	94.00	1X1M		26.00 - 36.00	15.70	14	CL	FLA	CRT	
94.00	94.00	1X1M		26.00 - 36.00	0.10	1	CL	FLA	WHCRT	
94.00	94.00	1X1M		26.00 - 36.00	1.60	1	CL	SHAT	CRT	
94.00	94.00	1X1M		26.00 - 36.00	34.80	1	CL	FLA	RUM	CRP
94.00	94.00	1X1M		26.00 - 36.00	65.30	33	CL	FLA	DECORT	CRP
94.00	94.00	1X1M		26.00 - 36.00	82.00	21	CL	FLA	DECORT	CRY
94.00	94.00	1X1M		26.00 - 36.00	0.10	1	CL	FLA	SFTLP	CRT
94.00	94.00	1X1M		26.00 - 36.00	1.20		POT	BODYFG	GROG	
94.00	94.00	1X1M		36.00 - 46.00	150.70	5	CL	SHAT	CRY	
94.00	94.00	1X1M		36.00 - 46.00	24.80	5	CL	FLA	DECORT	CRP
94.00	94.00	1X1M		36.00 - 46.00	4.70	1	CL	SHAT	CRP	
94.00	94.00	1X1M		36.00 - 46.00	113.70	12	CL	FLA	DECORT	CRY
94.00	49.00	1X1M		36.00 - 46.00	7.40	3	CL	FLA	CRY	
94.00	94.00	1X1M		36.00 - 46.00	189.30	1	CL	COBL	TESTED	CRP
94.00	94.00	1X1M		36.00 - 46.00	29.20	1	CL	COBL	TESTED	CRY
94.00	94.00	1X1M		36.00 - 46.00	14.60	6	CL	FLA	CRP	
94.00	94.00	1X1M		36.00 - 46.00	3.50	1	CL	FLA	SFTLP	CRY
94.00	94.00	1X1M		36.00 - 46.00	1.10	1	CL	FLA	WHCRT	
94.00	94.00	1X1M		36.00 - 46.00	1.20	1	CL	FLA	SFTLP	WHCRT
94.00	94.00	1X1M		36.00 - 46.00	77.20	1	CL	COBL	TESTED	OQZ
94.00	94.00	1X1M		36.00 - 46.00	12.70	2	CL	FLA	OQZ	
94.00	94.00	1X1M		36.00 - 46.00	2.60	1	URM	CHNK	HEM	
94.00	94.00	1X1M		36.00 - 46.00	6.40	1	CL	BIFK	CRP	FR FC
94.00	94.00	1X1M		36.00 - 46.00	8.60	1	CL	FLA	DECORT	CRY
94.00	94.00	1X1M		36.00 - 46.00	3.80		POT	PEL		
94.00	94.00	1X1M		36.00 - 46.00	0.70	3	ANIM	BONE	CAL	
94.00	94.00	1X1M		36.00 - 46.00	11.60	3	URM	CHNK	CRP	FC
94.00	94.00	1X1M		46.00 - 59.00	12.40	5	POT	PEL		
94.00	94.00	1X1M		46.00 - 59.00	0.50	2	ANIM	BONE	CAL	
94.00	94.00	1X1M		46.00 - 59.00	22.90	1	CL	SHAT	CRP	
94.00	94.00	1X1M		46.00 - 59.00	3.30	2	CL	FLA	CRP	
94.00	94.00	1X1M		46.00 - 59.00	4.50	3	CL	FLA	CRP	FC
94.00	94.00	1X1M		46.00 - 59.00	5.80	2	CL	FLA	DECORT	CRY
94.00	94.00	1X1M		46.00 - 59.00	13.20	4	CL	FLA	DECORT	CRY FC
94.00	94.00	1X1M		46.00 - 59.00	27.50	4	CL	FLA	DECORT	CRP
94.00	94.00	1X1M		46.00 - 59.00	0.20	1	CL	FLA	CRY	
94.00	94.00	1X1M		46.00 - 59.00	1.00	1	CL	FLA	SFTLP	CRY
94.00	94.00	1X1M		46.00 - 59.00	81.50	2	URM	CHNK	FC	
94.00	94.00	1X1M		46.00 - 59.00	1.00	1	POT	BODY	CRMK	SAND
94.00	94.00	1X1M		59.00 - 69.00	2.90		POT	BODYFG	SAND	
94.00	94.00	1X1M		59.00 - 69.00	0.50	1	ANIM	BONE		
94.00	94.00	1X1M		59.00 - 69.00	29.10	7	CL	FLA	DECORT	CRP
94.00	94.00	1X1M		59.00 - 69.00	0.40	2	CL	FLA	CRT	
94.00	94.00	1X1M		59.00 - 69.00	2.50	1	CL	FLA	SFTLP	CRY
94.00	94.00	1X1M		59.00 - 69.00	1.70	4	CL	FLA	CRY	
94.00	94.00	1X1M		59.00 - 69.00	0.60	2	CL	FLA	CRP	
94.00	94.00	1X1M		59.00 - 69.00	17.20	7	CL	FLA	DECORT	CRY
94.00	94.00	1X1M		11.00 - 16.00	1.90		URM	CHNK	FC	
94.00	94.00	1X1M		11.00 - 16.00	20.40	5	POT	BODY	CRMK	SAND
94.00	94.00	1X1M		11.00 - 16.00	52.50	44	POT	BODY	SAND	
94.00	94.00	1X1M		11.00 - 16.00	0.60		POT	PEL		

North	East	Unit	Unit#	Top-Depth-Bta	Wt	Ct	Acronyms ...				
SITENO = 23DU289											
94.00	94.00	1X1M		11.00 - 16.00	0.40	1	POT	BODYFG	CRMK	SAND	
94.00	94.00	1X1M		11.00 - 16.00	6.40		POT	BODYFG	SAND		
94.00	94.00	1X1M		11.00 - 16.00	0.30		POT	BODYFG	SHELL		
94.00	94.00	1X1M		11.00 - 16.00	2.40	1	CL	PPK	EXPNST	CRR	BE
94.00	94.00	1X1M		11.00 - 16.00	0.30	1	FLOR	CHAR	NUT		
94.00	94.00	1X1M		11.00 - 16.00	0.60	2	ANIM	BONE	CAL		
94.00	94.00	1X1M		11.00 - 16.00	64.00	27	CL	FLA	DECORT	CRY	
94.00	94.00	1X1M		11.00 - 16.00	5.90	8	CL	FLA	SFTLP	CRY	
94.00	94.00	1X1M		11.00 - 16.00	0.30	3	CL	FLA	LUNA	CRY	
94.00	94.00	1X1M		11.00 - 16.00	0.30	1	CL	FLA	DECORT	CRY	
94.00	94.00	1X1M		11.00 - 16.00	20.80	42	CL	FLA	CRY		
94.00	94.00	1X1M		11.00 - 16.00	8.70	4	CL	SHAT	CRY		
94.00	94.00	1X1M		11.00 - 16.00	4.40	4	CL	FLA	SFTLP	CRR	
94.00	94.00	1X1M		11.00 - 16.00	1.90	4	CL	FLA	SFTLP	CRR	
94.00	94.00	1X1M		11.00 - 16.00	31.00	44	CL	FLA	DECORT	CRR	
94.00	94.00	1X1M		11.00 - 16.00	29.20	48	CL	FLA	CRR		
94.00	94.00	1X1M		11.00 - 16.00	2.50	7	CL	FLA	DECORT	CRT	
94.00	94.00	1X1M		11.00 - 16.00	1.50	2	CL	FLA	CRT	FC	
94.00	94.00	1X1M		11.00 - 16.00	5.70	6	CL	FLA	CRT		
94.00	94.00	1X1M		11.00 - 16.00	15.10	7	CL	SHAT	CRR		
94.00	94.00	1X1M		11.00 - 16.00	1.30	1	CL	FLA	SFTLP	OQZ	
94.00	94.00	1X1M		11.00 - 16.00	1.50	4	CL	FLA	WHCRT		
94.00	94.00	1X1M		11.00 - 16.00	2.00	1	CL	FLA	DECORT	WHCRT	
94.00	94.00	1X1M		11.00 - 16.00	8.70		URM	CHNK	FC		
94.00	94.00	1X1M		11.00 - 16.00	6.20	4	CL	FLA	DECORT	OQZ	
94.00	94.00	1X1M		11.00 - 16.00	5.80	7	CL	FLA	OQZ		
124.00	94.00	CSC		0.00 - 0.00	15.50	5	CL	FLA	DECORT	CRR	
124.00	94.00	CSC		0.00 - 0.00	2.10	3	CL	FLA	DECORT	CRR	FC
124.00	94.00	CSC		0.00 - 0.00	3.30	1	CL	FLA	CRR		
124.00	94.00	CSC		0.00 - 0.00	2.70	1	CL	FLA	CRR	FC	
124.00	94.00	CSC		0.00 - 0.00	1.40	2	CL	FLA	SFTLP	CRR	
124.00	94.00	CSC		0.00 - 0.00	1.20	1	CL	FLA	RUM	WHCRT	
124.00	94.00	CSC		0.00 - 0.00	9.10	2	CL	FLA	DECORT	OQZ	
124.00	94.00	CSC		0.00 - 0.00	12.00	8	CL	FLA	CRY		
124.00	94.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRY	
124.00	94.00	CSC		0.00 - 0.00	6.10	2	CL	FLA	DECORT	CRY	
124.00	94.00	CSC		0.00 - 0.00	3.40	1	CL	SHAT	CRY		
124.00	94.00	1X1M		0.00 - 0.00	193.90	1	GRL	HAM	OQZ		
124.00	94.00	CSC		0.00 - 0.00	4.00	2	POT	BODY	SAND		
124.00	94.00	CSC		0.00 - 0.00	27.50		URM	CHNK	FC		
200.00	94.00	CSC	e	0.00 - 0.00	5.20	2	CL	FLA	DECORT	CRY	
200.00	94.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	CRR		
200.00	94.00	CSC	e	0.00 - 0.00	2.40	1	CL	FLA	OQZ		
200.00	94.00	CSC	e	0.00 - 0.00	13.20	2	GLASS	CURVE			
200.00	94.00	CSC	e	0.00 - 0.00	9.20	1	URM	CHNK	FC		
206.00	94.00	CSC	e	0.00 - 0.00	2.20	1	CL	FLA	DECORT	CRY	
212.00	94.00	CSC	e	0.00 - 0.00	3.00	1	CL	FLA	DECORT	CRY	
212.00	94.00	CSC	e	0.00 - 0.00	2.40	3	CL	FLA	CRY		
212.00	94.00	CSC	e	0.00 - 0.00	7.20		URM	CHNK	FC		
218.00	94.00	CSC	e	0.00 - 0.00	2.40	1	CL	FLA	DECORT	CRY	
218.00	94.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	CRR		
218.00	94.00	CSC	e	0.00 - 0.00	1.10	1	CL	FLA	WHCRT		
218.00	94.00	CSC	e	0.00 - 0.00	2.40	3	CL	FLA	CRY		
224.00	94.00	CSC	e	0.00 - 0.00	9.10	1	CL	FLA	DECORT	CRY	
224.00	94.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRR		
224.00	94.00	CSC	e	0.00 - 0.00	1.40	3	CL	FLA	CRY		

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU289										
224.00	94.00	CSC	e	0.00 - 0.00	7.10	1	GLASS	BBASE	BLUE	
224.00	94.00	CSC	e	0.00 - 0.00	8.80	1	BRICK	FR		
224.00	94.00	CSC	e	0.00 - 0.00	4.40	3	URM	CHNK	FC	
230.00	94.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRY	
230.00	94.00	CSC	e	0.00 - 0.00	7.20		URM	CHNK	FC	
236.00	94.00	CSC	e	0.00 - 0.00	0.80	3	CL	FLA	DECORT	CRR
236.00	94.00	CSC	e	0.00 - 0.00	1.20	2	CL	FLA	CRY	
236.00	94.00	CSC	e	0.00 - 0.00	1.80		URM	CHNK	FC	
242.00	94.00	CSC	e	0.00 - 0.00	4.30	1	CL	FLA	DECORT	OQZ
242.00	94.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	DECORT	CRR
242.00	94.00	CSC	e	0.00 - 0.00	7.20	1	CL	FLA	DECORT	CRY
242.00	94.00	CSC	e	0.00 - 0.00	5.00	1	CL	SHAT	CRR	
242.00	94.00	CSC	e	0.00 - 0.00	5.30	1	GLASS	CURVE		
242.00	94.00	CSC	e	0.00 - 0.00	0.60		URM	CHNK	FC	
248.00	94.00	CSC	e	0.00 - 0.00	19.80	1	CL	FLA	DECORT	CRY
248.00	94.00	CSC	e	0.00 - 0.00	10.00	2	URM	CHNK	FC	
245.00	95.00	CSC	e	0.00 - 0.00	5.20	1	CL	FLA	DECORT	CRR
254.00	94.00	CSC	e	0.00 - 0.00	2.30	1	CL	FLA	CRY	
254.00	94.00	CSC	e	0.00 - 0.00	25.60	1	CL	SHAT	CRY	
254.00	94.00	CSC	e	0.00 - 0.00	1.50	1	FOSSIL	COAL		
254.00	94.00	CSC	e	0.00 - 0.00	0.70	1	METAL			
254.00	94.00	CSC	e	0.00 - 0.00	0.60	1	SYN	RUBBER		
260.00	94.00	CSC	e	0.00 - 0.00	16.90	3	CL	FLA	DECORT	CRY
260.00	94.00	CSC	e	0.00 - 0.00	2.20	2	CL	FLA	CRY	
266.00	94.00	BATR	fla	0.00 - 0.00	5.70	1	CL	FLA	DECORT	CRR
266.00	94.00	CSC	e	0.00 - 0.00	5.20	3	CL	FLA	DECORT	CRY
266.00	94.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRY
266.00	94.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRR	
266.00	94.00	CSC	e	0.00 - 0.00	4.60	3	CL	FLA	CRY	
266.00	94.00	CSC	e	0.00 - 0.00	38.30	1	CL	COBL	TESTED	CRY
266.00	94.00	CSC	e	0.00 - 0.00	2.60	1	METAL			
266.00	94.00	CSC	e	0.00 - 0.00	3.90	1	GLASS	FLAT		
200.00	100.00	CSC	e	0.00 - 0.00	3.20		SYN	IND		
200.00	100.00	CSC	e	0.00 - 0.00	4.50		METAL			
206.00	100.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRY	
206.00	100.00	CSC	e	0.00 - 0.00	189.00	1	GRL	HAM	OQZ	
212.00	100.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRY
212.00	100.00	CSC	e	0.00 - 0.00	2.70	1	CL	FLA	DECORT	OQZ
218.00	100.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRY	
218.00	100.00	CSC	e	0.00 - 0.00	1.20	1	CL	FLA	DECORT	CRY
230.00	100.00	CSC	e	0.00 - 0.00	2.60	1	CL	FLA	CRY	
230.00	100.00	CSC	e	0.00 - 0.00	6.50	1	BRICK			
236.00	100.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	DECORT	CRY
236.00	100.00	CSC	e	0.00 - 0.00	0.50	2	CL	FLA	CRR	
242.00	100.00	CSC	e	0.00 - 0.00	23.30	1	CL	PEBL	RUM	CRY
242.00	100.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	CRT	
242.00	100.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	CRY	
242.00	100.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRY
242.00	100.00	CSC	e	0.00 - 0.00	60.00	1	CL	CORE	CRY	
248.00	100.00	CSC	e	0.00 - 0.00	3.10	1	POT	BODY	SAND	
248.00	100.00	CSC	e	0.00 - 0.00	1.40	1	GLASS	FLAT		
248.00	100.00	CSC	e	0.00 - 0.00	5.00	1	CL	FLA	CRY	
254.00	100.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	SFTLP	CRY
266.00	100.00	CSC	e	0.00 - 0.00	1.60	1	POT	BODY	SAND	
266.00	100.00	CSC	e	0.00 - 0.00	39.70	4	CL	FLA	DECORT	CRY
266.00	100.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRY	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU209										
266.00	100.00	CSC	e	0.00 - 0.00	2.00	1	CL	FLA	DECORT	CRP
266.00	100.00	CSC	e	0.00 - 0.00	1.00	1	GLASS	CLEAR		
266.00	100.00	CSC	e	0.00 - 0.00	140.00	1	BRICK			
206.00	106.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRP
206.00	106.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	SFTLP	CRR
206.00	106.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	CRT	
212.00	106.00	CSC	e	0.00 - 0.00	2.30	1	CL	FLA	DECORT	CRY
212.00	106.00	CSC	e	0.00 - 0.00	2.70	1	GLASS	CLEAR		
218.00	106.00	CSC	e	0.00 - 0.00	3.50	2	CL	FLA	SFTLP	CRY
218.00	106.00	CSC	e	0.00 - 0.00	0.70	1	GLASS	CURVE		
224.00	106.00	CSC	e	0.00 - 0.00	3.70	2	CL	FLA	CRY	
230.00	106.00	CSC	e	0.00 - 0.00	2.90	1	CL	FLA	DECORT	CRP
230.00	106.00	CSC	e	0.00 - 0.00	2.10	1	CL	FLA	CRY	
230.00	106.00	CSC	e	0.00 - 0.00	230.90	1	GRL	HAM	CRY	
236.00	106.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	DECORT	CRP
236.00	106.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRT
236.00	106.00	CSC	e	0.00 - 0.00	1.10	1	METAL			
248.00	106.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	DECORT	CRY
248.00	106.00	CSC	e	0.00 - 0.00	1.70	1	GLASS	CURVE		
248.00	106.00	CSC	e	0.00 - 0.00	5.00	1	SYN	IND		
254.00	106.00	CSC	e	0.00 - 0.00	1.50	1	CL	FLA	DECORT	CRY
254.00	106.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	CRY	
254.00	106.00	CSC	e	0.00 - 0.00	10.70	1	BRICK			
260.00	105.00	CSC	e	0.00 - 0.00	1.50	1	CL	FLA	DECORT	CRY
260.00	106.00	CSC	e	0.00 - 0.00	36.40	1	CL	BIFK	ST2	CRY
266.00	106.00	CSC	e	0.00 - 0.00	3.30	1	CL	FLA	OQZ	
266.00	106.00	CSC	e	0.00 - 0.00	1.10	1	CL	FLA	CRR	
194.00	94.00	CSC	e	0.00 - 0.00	1.50	2	CL	FLA	CRR	
188.00	94.00	CSC	e	0.00 - 0.00	5.80	2	CL	FLA	CRY	
182.00	94.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	OQZ	
170.00	94.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	DECORT	CRY
146.00	94.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	CRR	
146.00	94.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRP
146.00	94.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	WHCRT	
140.00	94.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	DECORT	CRP
134.00	94.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRY
128.00	94.00	CSC	e	0.00 - 0.00	1.40	1	CL	FLA	CRP	
128.00	94.00	CSC	e	0.00 - 0.00	3.20		URM	CHNK	FC	
128.00	94.00	CSC	e	0.00 - 0.00	19.20	1	CL	FLA	DECORT	OQZ
128.00	94.00	CSC	e	0.00 - 0.00	0.70	1	WHITEW	BODY		
128.00	94.00	CSC	e	0.00 - 0.00	1.10	1	GLASS	MOLD		
116.00	94.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	OQZ	
116.00	94.00	CSC	e	0.00 - 0.00	1.20	1	GLASS	CURVE		
116.00	94.00	CSC	e	0.00 - 0.00	2.40	1	CL	SHAT	CRY	
110.00	94.00	CSC	e	0.00 - 0.00	2.10	1	CL	FLA	CRY	
110.00	94.00	CSC	e	0.00 - 0.00	59.40	2	CL	SHAT	CRY	
56.00	100.00	CSC	e	0.00 - 0.00	1.80	1	CL	FLA	DECORT	CRY
86.00	100.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	CRR	
136.00	100.00	CSC	e	0.00 - 0.00	12.70	1	CL	SCR	CRY	
98.00	100.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	WHCRT	
98.00	100.00	CSC	e	0.00 - 0.00	0.80	1	CL	FLA	DECORT	CRY
98.00	100.00	CSC	e	0.00 - 0.00	3.70	1	CL	FLA	DECORT	CRP
116.00	100.00	CSC	e	0.00 - 0.00	1.80	1	CL	FLA	SFTLP	CRY
116.00	100.00	CSC	e	0.00 - 0.00	2.60	1	WHITEW	ALBBPS		
116.00	100.00	CSC	e	0.00 - 0.00	377.00	1	GRL	GROUND	GIT	
122.00	100.00	CSC	e	0.00 - 0.00	11.90	1	CL	BIFK	ST2	CRR

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23NJ29										
128.00	100.00	CSC	e	0.00 - 0.00	2.40	1	WHITEW	RIM		
140.00	100.00	CSC	e	0.00 - 0.00	1.40	2	CL	FLA	WHCRT	
146.00	100.00	CSC	e	0.00 - 0.00	209.60	1	BRICK			
152.00	100.00	CSC	e	0.00 - 0.00	1.40	1	WHITEW	BODY		
152.00	100.00	CSC	e	0.00 - 0.00	51.90	1	CL	BIFK	ST1	CRR
158.00	100.00	CSC	e	0.00 - 0.00	2.80	1	GLASS	CURVE		
158.00	100.00	CSC	e	0.00 - 0.00	0.30	1	SHELL			
164.00	100.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	DECORT	CRR
170.00	100.00	CSC	e	0.00 - 0.00	1.20	1	CL	FLA	DECORT	CRR
170.00	100.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	OQZ	
170.00	100.00	CSC	e	0.00 - 0.00	0.40	2	SHELL			
170.00	100.00	CSC	e	0.00 - 0.00	37.00	1	CL	FLA	DECORT	CRY
182.00	100.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	DECORT	CRR
182.00	100.00	CSC	e	0.00 - 0.00	1.20	1	CL	FLA	CRY	
182.00	100.00	CSC	e	0.00 - 0.00	5.10	1	SHELL	MUSSEL		
194.00	106.00	CSC	e	0.00 - 0.00	2.00	1	CL	FLA	SFTLP	CRY
182.00	106.00	CSC	e	0.00 - 0.00	4.30	1	CL	FLA	CRT	
182.00	106.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	CRR	
182.00	106.00	CSC	e	0.00 - 0.00	1.40	1	CL	FLA	CRY	
170.00	106.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	CRY	
158.00	106.00	CSC	e	0.00 - 0.00	1.40	1	CL	FLA	DECORT	OQZ
152.00	106.00	CSC	e	0.00 - 0.00	1.70	2	CL	FLA	CRR	
152.00	106.00	CSC	e	0.00 - 0.00	1.20	1	CL	FLA	DECORT	CRR
152.00	106.00	CSC	e	0.00 - 0.00	80.00	1	CL	SHAT	CRY	
146.00	106.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRY	
146.00	106.00	CSC	e	0.00 - 0.00	6.50	1	CL	PPK	EXPNST	CRR
122.00	106.00	CSC	e	0.00 - 0.00	0.30	1	CL	BIFK	ST3	CRR
122.00	106.00	CSC	e	0.00 - 0.00	11.60	1	CL	FLA	CRR	
80.00	106.00	CSC	e	0.00 - 0.00	1.30	1	CL	FLA	SFTLP	CRY
68.00	106.00	CSC	e	0.00 - 0.00	2.60	1	CL	FLA	DECORT	CRY
62.00	106.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRY	
206.00	112.00	CSC	e	0.00 - 0.00	0.80	1	CL	PPK	EXPNST	CRY BS
206.00	112.00	CSC	e	0.00 - 0.00	3.20	1	CL	FLA	RUM	CRR
206.00	112.00	CSC	e	0.00 - 0.00	1.20	1	GLASS	FLAT		
206.00	118.00	CSC	e	0.00 - 0.00	0.60	2	CL	FLA	CRR	
206.00	118.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRY	
206.00	124.00	CSC	e	0.00 - 0.00	9.00	3	CL	FLA	CRY	
206.00	124.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRR
206.00	124.00	CSC	e	0.00 - 0.00	1.60	1	WHITEW	BODY		
206.00	124.00	CSC	e	0.00 - 0.00	49.40	1	CL	COBL	TESTED	CRY
206.00	130.00	CSC	e	0.00 - 0.00	5.40	1	CL	PPK	CNTRST	CRR PY
206.00	130.00	CSC	e	0.00 - 0.00	39.90	1	CL	SHAT	CRY	
206.00	130.00	CSC	e	0.00 - 0.00	2.40	2	CL	FLA	DECORT	CRY
206.00	130.00	CSC	e	0.00 - 0.00	2.40	2	CL	FLA	DECORT	CRR
206.00	130.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	CRR	
206.00	130.00	CSC	e	0.00 - 0.00	1.90	1	CL	FLA	SFTLP	CRR
206.00	136.00	CSC	e	0.00 - 0.00	1.20	2	CL	FLA	SFTLP	CRR
206.00	136.00	CSC	e	0.00 - 0.00	1.00	2	CL	FLA	CRR	
206.00	136.00	CSC	e	0.00 - 0.00	2.40	1	CL	FLA	CRY	
206.00	136.00	CSC	e	0.00 - 0.00	2.90	1	CL	FLA	OQZ	
206.00	136.00	CSC	e	0.00 - 0.00	2.00		POT	PEL		
206.00	136.00	CSC	e	0.00 - 0.00	10.40	1	CL	BIFK	ST2	CRY FP
206.00	142.00	CSC	e	0.00 - 0.00	5.50	3	CL	FLA	DECORT	CRR
206.00	142.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRR	
206.00	142.00	CSC	e	0.00 - 0.00	1.60	1	GLASS	CURVE		
206.00	142.00	CSC	e	0.00 - 0.00	182.90	1	GPL	HAM	OQZ	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITE# = 23U209										
206.00	148.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	SFTLP	CRY
206.00	148.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRR	
206.00	154.00	CSC	e	0.00 - 0.00	1.70	1	WHITEW	RIM	MOLD	
206.00	154.00	CSC	e	0.00 - 0.00	2.90	1	GLASS	CURVE		
206.00	166.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRY
206.00	172.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	SFTLP	CRY
206.00	172.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRY
206.00	172.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	CRR	
206.00	172.00	CSC	e	0.00 - 0.00	39.10	4	URM	CHNK	FC	
206.00	178.00	CSC	e	0.00 - 0.00	8.20	2	CL	FLA	DECORT	CRY
206.00	178.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRY	
206.00	178.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	CRR	
206.00	178.00	CSC	e	0.00 - 0.00	1.00		URM	CHNK	FC	
206.00	178.00	CSC	e	0.00 - 0.00	37.20	1	CL	COBL	TESTED	CRY
206.00	184.00	CSC	e	0.00 - 0.00	14.80	1	CL	BIFK	ST1	CRR
206.00	184.00	CSC	e	0.00 - 0.00	1.90	1	CL	FLA	CRR	
206.00	196.00	CSC	e	0.00 - 0.00	40.00	1	URM	CHNK	CRR	FC
206.00	202.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	CRY	
206.00	208.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	CRR	
206.00	208.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	CRY	
206.00	220.00	CSC	e	0.00 - 0.00	90.00	1	CL	COBL	TESTED	CRY
206.00	226.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRY
206.00	226.00	CSC	e	0.00 - 0.00	2.30	2	CL	FLA	CRY	
206.00	232.00	CSC	e	0.00 - 0.00	1.20	1	CL	FLA	DECORT	CRY
206.00	232.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	WHCRT	
206.00	250.00	CSC	e	0.00 - 0.00	115.70	1	BRICK			
206.00	250.00	CSC	e	0.00 - 0.00	12.10	1	CL	FLA	DECORT	CRY
206.00	256.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	CRR	
206.00	256.00	CSC	e	0.00 - 0.00	0.50	1	CL	SHAT	CRY	
206.00	256.00	CSC	e	0.00 - 0.00	29.20		URM	CHNK	FC	
206.00	256.00	CSC	e	0.00 - 0.00	4.20	1	GLASS	CURVE		
206.00	262.00	CSC	e	0.00 - 0.00	1.40	2	CL	FLA	SFTLP	CRY
206.00	262.00	CSC	e	0.00 - 0.00	4.00	1	CL	FLA	CRY	
206.00	262.00	CSC	e	0.00 - 0.00	8.80	2	GLASS	CURVE		
206.00	262.00	CSC	e	0.00 - 0.00	21.40		URM	CHNK	FC	
200.00	112.00	CSC	e	0.00 - 0.00	6.80	1	POT	BODY	SAND	
200.00	112.00	CSC	e	0.00 - 0.00	1.60	1	CL	FLA	DECORT	CRY
200.00	112.00	CSC	e	0.00 - 0.00	1.00	3	CL	FLA	CRR	
200.00	112.00	CSC	e	0.00 - 0.00	0.60	3	CL	FLA	CRY	
200.00	112.00	CSC	e	0.00 - 0.00	70.00	1	CL	CORE	CRT	
200.00	112.00	CSC	e	0.00 - 0.00	1.00	1	PORCE			
200.00	118.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	CRR	
200.00	118.00	CSC	e	0.00 - 0.00	1.10	2	CL	FLA	DECORT	CRY
200.00	118.00	CSC	e	0.00 - 0.00	1.30	1	CL	FLA	CRY	
200.00	118.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	OQZ	
200.00	118.00	CSC	e	0.00 - 0.00	0.50	1	CL	SHAT	CRT	
200.00	118.00	CSC	e	0.00 - 0.00	2.10	1	REDW			
200.00	124.00	CSC	e	0.00 - 0.00	2.00	3	CL	FLA	CRY	
200.00	130.00	CSC	e	0.00 - 0.00	6.10	3	CL	FLA	DECORT	CRY
200.00	130.00	CSC	e	0.00 - 0.00	0.90	3	CL	FLA	CRR	
200.00	130.00	CSC	e	0.00 - 0.00	3.00	1	CL	FLA	OQZ	
200.00	136.00	CSC	e	0.00 - 0.00	1.70	3	CL	FLA	CRR	
200.00	136.00	CSC	e	0.00 - 0.00	2.50	2	CL	FLA	CRY	
200.00	136.00	CSC	e	0.00 - 0.00	4.90	1	GLASS	CURVE		
200.00	136.00	CSC	e	0.00 - 0.00	8.50	1	WHITEW	BASE		
200.00	142.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU289										
200.00	142.00	CSC	e	0.00 - 0.00	2.10	2	CL	FLA	CRY	
200.00	142.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRR	
200.00	148.00	CSC	e	0.00 - 0.00	16.50	1	CL	BIFK	ST2	CRR
200.00	154.00	CSC	e	0.00 - 0.00	0.20	1	SHELL			
200.00	154.00	CSC	e	0.00 - 0.00	12.40	2	CL	FLA	DECORT	CRY
200.00	160.00	CSC	e	0.00 - 0.00	340.00	1	GRL	PITS	SS	
200.00	160.00	CSC	e	0.00 - 0.00	3.00	1	CL	FLA	DECORT	CRY
200.00	160.00	CSC	e	0.00 - 0.00	6.70	1	CL	PPK	STRAST	CRY
200.00	166.00	CSC	e	0.00 - 0.00	12.70	2	METAL			
200.00	166.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	CRT	
200.00	166.00	CSC	e	0.00 - 0.00	3.40	1	CL	FLA	DECORT	CRR
200.00	184.00	CSC	e	0.00 - 0.00	2.10	2	CL	FLA	CRR	
200.00	184.00	CSC	e	0.00 - 0.00	2.20	1	CL	FLA	CRY	
200.00	190.00	CSC	e	0.00 - 0.00	9.10	1	CL	FLA	DECORT	CRR
200.00	190.00	CSC	e	0.00 - 0.00	2.80	1	CL	FLA	DECORT	CRY
200.00	190.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRR	
200.00	190.00	CSC	e	0.00 - 0.00	21.40	1	URN	CHNK	CRR	FC
200.00	196.00	CSC	e	0.00 - 0.00	9.00	1	CL	FLA	CRR	
200.00	196.00	CSC	e	0.00 - 0.00	0.80	1	CL	FLA	DECORT	CRR
200.00	196.00	CSC	e	0.00 - 0.00	1.50	1	CL	FLA	DECORT	CRY
200.00	196.00	CSC	e	0.00 - 0.00	14.20	2	CL	FLA	CRY	
200.00	196.00	CSC	e	0.00 - 0.00	81.30	1	CL	BIFK	ST1	CRY
200.00	202.00	CSC	e	0.00 - 0.00	5.80	1	CL	SHAT	CRR	
200.00	208.00	CSC	e	0.00 - 0.00	2.40	1	CL	FLA	SFTLP	CRR
200.00	208.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRR
200.00	208.00	CSC	e	0.00 - 0.00	2.90	1	CL	FLA	CRR	
200.00	214.00	CSC	e	0.00 - 0.00	161.00	1	BRICK			
200.00	220.00	CSC	e	0.00 - 0.00	1.70	1	CL	FLA	WHCRT	
200.00	220.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRY
200.00	220.00	CSC	e	0.00 - 0.00	27.00		URN	CHNK	FC	
200.00	226.00	CSC	e	0.00 - 0.00	2.20	1	CL	FLA	DECORT	CRR
200.00	232.00	CSC	e	0.00 - 0.00	195.70	1	CL	COBL	TESTED	CRY
200.00	232.00	CSC	e	0.00 - 0.00	7.20		URN	CHNK	FC	
200.00	236.00	CSC	e	0.00 - 0.00	2.60	1	CL	FLA	CRY	
200.00	236.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	CRT	
200.00	244.00	CSC	e	0.00 - 0.00	156.20	1	GRL	HAM	CRY	
200.00	244.00	CSC	e	0.00 - 0.00	137.70	1	BRICK			
200.00	244.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	CRY	
200.00	244.00	CSC	e	0.00 - 0.00	1.40	1	CL	FLA	DECORT	CRR
200.00	250.00	CSC	e	0.00 - 0.00	7.50	1	WHITEW	BODY	TRANS	
200.00	256.00	CSC	e	0.00 - 0.00	15.80	3	CL	FLA	DECORT	CRY
200.00	256.00	CSC	e	0.00 - 0.00	2.00	1	CL	FLA	SFTLP	CRY
200.00	256.00	CSC	e	0.00 - 0.00	17.70	4	CL	FLA	CRY	
200.00	256.00	CSC	e	0.00 - 0.00	5.20	2	CL	FLA	CRR	
200.00	256.00	CSC	e	0.00 - 0.00	7.70	3	CL	FLA	SFTLP	CRR
200.00	256.00	CSC	e	0.00 - 0.00	2.20	1	WHITEW	RIM	GREEN	
200.00	262.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRR	
200.00	262.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	DECORT	CRR
200.00	262.00	CSC	e	0.00 - 0.00	12.60	2	CL	FLA	DECORT	CRY
200.00	262.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRY
200.00	262.00	CSC	e	0.00 - 0.00	4.20	1	WHITEW	BODY		
194.00	112.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	CRR	
194.00	112.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	DECORT	CRR
194.00	112.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	SFTLP	CRR
194.00	112.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRY	
194.00	112.00	CSC	e	0.00 - 0.00	4.20	1	CL	FLA	OQZ	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU289										
194.00	112.00	CSC	e	0.00 - 0.00	1.10	1	URM	CHNK	HEM	
194.00	118.00	CSC	e	0.00 - 0.00	2.00	2	CL	FLA	DECORT	CRP
194.00	118.00	CSC	e	0.00 - 0.00	21.20	1	CL	FLA	DECORT	CRY
194.00	118.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRY	
194.00	118.00	CSC	e	0.00 - 0.00	5.80	1	CL	SHAT	WHCRT	
194.00	118.00	CSC	e	0.00 - 0.00	52.80	1	CL	COBL	TESTED	CRY
194.00	118.00	CSC	e	0.00 - 0.00	0.80	1	CL	PPK	CRT	FR
194.00	124.00	CSC	e	0.00 - 0.00	2.10	2	CL	FLA	DECORT	CRY
194.00	124.00	CSC	e	0.00 - 0.00	10.90	1	CL	FLA	CRY	
194.00	124.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	DECORT	CRP
194.00	124.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRP
194.00	130.00	CSC	e	0.00 - 0.00	2.70	2	CL	FLA	DECORT	CRY
194.00	130.00	CSC	e	0.00 - 0.00	0.60	2	CL	FLA	CRY	
194.00	130.00	CSC	e	0.00 - 0.00	5.70	4	CL	FLA	CRP	
194.00	130.00	CSC	e	0.00 - 0.00	2.90	2	CL	FLA	DECORT	CRP
194.00	136.00	CSC	e	0.00 - 0.00	3.20	1	CL	BIFK	CRY	
194.00	136.00	CSC	e	0.00 - 0.00	4.40	2	CL	FLA	DECORT	CRY
194.00	136.00	CSC	e	0.00 - 0.00	0.40	2	CL	FLA	CRY	
194.00	136.00	CSC	e	0.00 - 0.00	2.60	1	CL	FLA	DECORT	CRP
194.00	136.00	CSC	e	0.00 - 0.00	0.80	4	CL	FLA	CRY	
194.00	142.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRP
194.00	142.00	CSC	e	0.00 - 0.00	1.20	2	CL	FLA	DECORT	CRP
194.00	142.00	CSC	e	0.00 - 0.00	0.80	1	CL	FLA	CRP	
194.00	142.00	CSC	e	0.00 - 0.00	1.60	2	CL	FLA	DECORT	CRY
194.00	142.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRY	
194.00	148.00	CSC	e	0.00 - 0.00	1.20		POT	BODYFG	SAND	
194.00	148.00	CSC	e	0.00 - 0.00	3.70	1	CL	FLA	CRY	
194.00	148.00	CSC	e	0.00 - 0.00	2.00	1	CL	FLA	SFTLP	CRY
194.00	148.00	CSC	e	0.00 - 0.00	1.50	1	CL	FLA	DECORT	CRP
194.00	166.00	CSC	e	0.00 - 0.00	6.70	1	BRICK			
194.00	166.00	CSC	e	0.00 - 0.00	28.40	2	CL	FLA	DECORT	CRP
194.00	166.00	CSC	e	0.00 - 0.00	4.60	1	CL	FLA	SFTLP	CRY
194.00	172.00	CSC	e	0.00 - 0.00	0.60	1	GLASS	MILK		
194.00	172.00	CSC	e	0.00 - 0.00	1.60	1	CL	FLA	DECORT	CRP
194.00	172.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRP
194.00	178.00	CSC	e	0.00 - 0.00	11.40		URM	CHNK	FC	
194.00	178.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	CRP	
194.00	178.00	CSC	e	0.00 - 0.00	0.90	3	CL	FLA	CRY	
194.00	184.00	CSC	e	0.00 - 0.00	0.10	1	SHELL			
194.00	184.00	CSC	e	0.00 - 0.00	8.20	2	CL	FLA	CRY	
194.00	190.00	CSC	e	0.00 - 0.00	3.30	1	METAL	NAIL	COMMON	FERS
194.00	190.00	CSC	e	0.00 - 0.00	15.70	3	URM	CHNK	FC	
194.00	196.00	CSC	e	0.00 - 0.00	1.20	1	CL	FLA	CRY	
194.00	196.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	DECORT	CRY
194.00	196.00	CSC	e	0.00 - 0.00	11.40	1	CL	SHAT	CRY	
194.00	202.00	CSC	e	0.00 - 0.00	15.00	1	BRICK	FR		
194.00	208.00	CSC	e	0.00 - 0.00	1.20	1	CL	FLA	DECORT	CRP
194.00	208.00	CSC	e	0.00 - 0.00	0.90	1	CL	FLA	CRP	
194.00	208.00	CSC	e	0.00 - 0.00	4.80	1	CL	FLA	DECORT	CRY
194.00	208.00	CSC	e	0.00 - 0.00	5.60		URM	CHNK	FC	
194.00	220.00	CSC	e	0.00 - 0.00	1.90	1	CL	FLA	SFTLP	CRY
194.00	220.00	CSC	e	0.00 - 0.00	1.60	1	CL	FLA	CRY	
194.00	220.00	CSC	e	0.00 - 0.00	27.20	1	CL	PEBL	PUM	CRY
194.00	226.00	CSC	e	0.00 - 0.00	10.10	1	GLASS	CLEAR		
194.00	226.00	CSC	e	0.00 - 0.00	4.50	1	GLASS	BLUE		
194.00	238.00	CSC	e	0.00 - 0.00	1.00	1	CL	FLA	DECORT	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU289										
194.00	238.00	CSC	e	0.00 - 0.00	2.60	1	CL	FLA	CRY	
194.00	238.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	DECORT	CRR
194.00	238.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRR	
194.00	238.00	CSC	e	0.00 - 0.00	41.90	1	CL	CORE	CRY	
194.00	244.00	CSC	e	0.00 - 0.00	3.00	2	CL	FLA	DECORT	CRR
194.00	244.00	CSC	e	0.00 - 0.00	1.40	1	CL	FLA	CRR	
194.00	244.00	CSC	e	0.00 - 0.00	3.40	2	CL	FLA	DECORT	CRY
194.00	244.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRY	
194.00	244.00	CSC	e	0.00 - 0.00	2.10	1	GLASS	CURVE		
194.00	250.00	CSC	e	0.00 - 0.00	13.20	1	CL	SHAT	CRY	
194.00	250.00	CSC	e	0.00 - 0.00	2.10	1	CL	FLA	SFTLP	CRY
194.00	250.00	CSC	e	0.00 - 0.00	32.80	1	CL	BIFK	ST1	CRY
194.00	256.00	CSC	e	0.00 - 0.00	86.20	2	BRICK	FR		
194.00	256.00	CSC	e	0.00 - 0.00	4.50	4	CL	FLA	DECORT	CRR
194.00	256.00	CSC	e	0.00 - 0.00	1.70	1	GLASS	CURVE		
194.00	262.00	CSC	e	0.00 - 0.00	1.50	1	GLASS	CURVE		
194.00	262.00	CSC	e	0.00 - 0.00	7.50	1	CL	FLA	DECORT	CRR
194.00	262.00	CSC	e	0.00 - 0.00	0.30	2	CL	FLA	CRR	
194.00	262.00	CSC	e	0.00 - 0.00	1.80	1	CL	FLA	CRY	
188.00	112.00	CSC	e	0.00 - 0.00	19.60	2	BRICK			
188.00	112.00	CSC	e	0.00 - 0.00	63.50	1	CL	BIFK	ST2	CRY
188.00	112.00	CSC	e	0.00 - 0.00	2.40	2	CL	FLA	DECORT	CRY
188.00	112.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	CRR	
188.00	118.00	CSC	e	0.00 - 0.00	33.70	1	CL	COBL	TESTED	CRY
188.00	124.00	CSC	e	0.00 - 0.00	8.60	5	CL	FLA	DECORT	CRY
188.00	124.00	CSC	e	0.00 - 0.00	1.40	3	CL	FLA	CRY	
188.00	124.00	CSC	e	0.00 - 0.00	1.90	1	CL	FLA	SFTLP	CRR
188.00	124.00	CSC	e	0.00 - 0.00	4.60	2	CL	FLA	CRR	
188.00	124.00	CSC	e	0.00 - 0.00	5.90	2	CL	FLA	DECORT	CRR
188.00	124.00	CSC	e	0.00 - 0.00	1.90	1	CL	FLA	RUM	CRR
188.00	130.00	CSC	e	0.00 - 0.00	1.30	2	CL	FLA	DECORT	CRR
188.00	130.00	CSC	e	0.00 - 0.00	3.40	4	CL	FLA	CRR	
188.00	130.00	CSC	e	0.00 - 0.00	0.70	2	CL	FLA	CRY	
188.00	130.00	CSC	e	0.00 - 0.00	75.50	1	CL	COBL	TESTED	CRR
188.00	136.00	CSC	e	0.00 - 0.00	8.80	1	METAL	FERS		
188.00	136.00	CSC	e	0.00 - 0.00	31.10	4	CL	FLA	DECORT	CRR
188.00	136.00	CSC	e	0.00 - 0.00	1.10	1	CL	FLA	CRY	
188.00	136.00	CSC	e	0.00 - 0.00	9.60	4	CL	FLA	CRR	
188.00	136.00	CSC	e	0.00 - 0.00	2.80	1	CL	FLA	DECORT	CRY
188.00	136.00	CSC	e	0.00 - 0.00	5.20	1	CL	FLA	CRT	
188.00	136.00	CSC	e	0.00 - 0.00	35.20	1	CL	CORE	CRY	
188.00	136.00	CSC	e	0.00 - 0.00	63.50	1	CL	COBL	TESTED	CRY
188.00	136.00	CSC	e	0.00 - 0.00	7.50	1	CL	DART	WHCRT	
188.00	142.00	CSC	e	0.00 - 0.00	26.80	1	BRICK	FR		
188.00	142.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	CRY	
188.00	142.00	CSC	e	0.00 - 0.00	0.50	1	GLASS	CURVE		
188.00	148.00	CSC	e	0.00 - 0.00	53.90	1	CL	CHNK	TESTED	CRY FC
188.00	148.00	CSC	e	0.00 - 0.00	10.70	2	CL	FLA	CRY	
188.00	148.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRR	
188.00	148.00	CSC	e	0.00 - 0.00	4.10	2	CL	FLA	DECORT	CRR
188.00	148.00	CSC	e	0.00 - 0.00	4.10	1	WHITEW	RIM	DEC	
188.00	154.00	CSC	e	0.00 - 0.00	3.20	1	BRICK			
188.00	154.00	CSC	e	0.00 - 0.00	1.80	3	CL	FLA	CRR	
188.00	154.00	CSC	e	0.00 - 0.00	50.60	4	CL	FLA	CRY	
188.00	160.00	CSC	e	0.00 - 0.00	0.90	2	CL	FLA	CRY	
188.00	172.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	LUNA	CRR

North	East	Unit	Unit#	Top-Depth-Bte	Wt	Ct	Acronyms ...			
SITEN0 = 23DL209										
188.00	172.00	CSC	e	0.00 - 0.00	203.50	1	CL	CORE	CRY	
188.00	172.00	CSC	e	0.00 - 0.00	158.70	1	CL	COBL	TESTED	CRY
188.00	198.00	CSC	e	0.00 - 0.00	4.90	1	CL	FLA	QBZ	
188.00	198.00	CSC	e	0.00 - 0.00	3.10	2	CL	FLA	CRY	
188.00	198.00	CSC	e	0.00 - 0.00	3.70		URM	CHNK	FC	
188.00	184.00	CSC	e	0.00 - 0.00	1.10	1	CL	FLA	CRY	
188.00	184.00	CSC	e	0.00 - 0.00	49.00	1	CL	COBL	TESTED	CRY
188.00	196.00	CSC	e	0.00 - 0.00	1.10	1	CL	FLA	CRY	
188.00	202.00	CSC	e	0.00 - 0.00	2.30	3	CL	FLA	CRY	
188.00	202.00	CSC	e	0.00 - 0.00	4.70	1	CL	SHAT	CRY	
188.00	208.00	CSC	e	0.00 - 0.00	1.90	2	CL	FLA	CRP	
188.00	208.00	CSC	e	0.00 - 0.00	1.00	2	FOSSIL	COAL		
188.00	208.00	CSC	e	0.00 - 0.00	1.80	1	SYN	IND		
188.00	208.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	CRY	
188.00	214.00	CSC	e	0.00 - 0.00	11.20	1	CL	FLA	DECORT	CRY
188.00	214.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRP	
188.00	214.00	CSC	e	0.00 - 0.00	0.40	2	CL	FLA	SFTLP	CRP
188.00	214.00	CSC	e	0.00 - 0.00	0.70	1	CL	FLA	SFTLP	CRY
188.00	220.00	CSC	e	0.00 - 0.00	10.10	1	URM	CHNK	HEM	
188.00	220.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	CRP	
188.00	220.00	CSC	e	0.00 - 0.00	12.00	1	CL	BIFK	ST1	CRP
188.00	232.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRY	
188.00	238.00	CSC	e	0.00 - 0.00	1.80	1	CL	FLA	DECORT	CRY
188.00	238.00	CSC	e	0.00 - 0.00	1.30	1	CL	FLA	CRY	
188.00	244.00	CSC	e	0.00 - 0.00	8.80	1	CL	SHAT	CRY	
188.00	244.00	CSC	e	0.00 - 0.00	0.80	1	CL	FLA	CRY	
188.00	244.00	CSC	e	0.00 - 0.00	1.80	2	CL	FLA	SFTLP	CRY
188.00	250.00	CSC	e	0.00 - 0.00	26.80	1	CL	FLA	DECORT	CRY
188.00	250.00	CSC	e	0.00 - 0.00	1.80	1	CL	FLA	CRY	
188.00	250.00	CSC	e	0.00 - 0.00	1.00	2	CL	FLA	CRP	
188.00	250.00	CSC	e	0.00 - 0.00	87.00	1	BRICK	GRAY	FR	
188.00	250.00	CSC	e	0.00 - 0.00	93.50	1	METAL	METOBJ	FERS	
188.00	250.00	CSC	e	0.00 - 0.00	4.90	1	URM	CHNK	QBZ	FC
188.00	256.00	CSC	e	0.00 - 0.00	2.50	2	CL	FLA	CRP	
188.00	256.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRP
188.00	256.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRY
188.00	256.00	CSC	e	0.00 - 0.00	2.30	1	METAL	WIRE	FERS	
188.00	262.00	CSC	e	0.00 - 0.00	2.10	1	GLASS	FLAT		
188.00	262.00	CSC	e	0.00 - 0.00	4.90	6	CL	FLA	CRP	
188.00	262.00	CSC	e	0.00 - 0.00	3.40	1	CL	FLA	SFTLP	CRY
200.00	88.00	CSC	e	0.00 - 0.00	1.50	2	CL	FLA	CRP	
200.00	88.00	CSC	e	0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRP
200.00	88.00	CSC	e	0.00 - 0.00	0.80	1	CL	FLA	CRY	
200.00	88.00	CSC	e	0.00 - 0.00	29.80	1	CL	PRV	EXPNST	WHCRT
200.00	88.00	CSC	e	0.00 - 0.00	1.30	1	METAL			
200.00	82.00	CSC	e	0.00 - 0.00	0.50	1	SHELL			
200.00	82.00	CSC	e	0.00 - 0.00	6.20	2	GLASS	CURVE		
200.00	82.00	CSC	e	0.00 - 0.00	0.50	1	WHITEW	RIM		
200.00	82.00	CSC	e	0.00 - 0.00	11.20	1	CL	BIFK	ST2	CRP DS
200.00	82.00	CSC	e	0.00 - 0.00	11.20	1	CL	FLA	DECORT	CRY
200.00	82.00	CSC	e	0.00 - 0.00	0.30	2	CL	FLA	CRY	
200.00	82.00	CSC	e	0.00 - 0.00	7.10	4	CL	FLA	DECORT	CRP
200.00	82.00	CSC	e	0.00 - 0.00	0.30	2	CL	FLA	CRT	
200.00	76.00	CSC	e	0.00 - 0.00	9.40	1	CL	SHAT	CRY	
200.00	70.00	CSC	e	0.00 - 0.00	2.70	1	CL	FLA	CRY	
200.00	70.00	CSC	e	0.00 - 0.00	1.30	1	CL	FLA	WHCRT	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DL284										
206.00	88.00	CSC	e	0.00 - 0.00	2.10	1	CL	FLA	SFTLP	CRT
206.00	88.00	CSC	e	0.00 - 0.00	1.50	1	CL	FLA	CRV	
206.00	88.00	CSC	e	0.00 - 0.00	2.00	2	CL	FLA	CRP	
206.00	88.00	CSC	e	0.00 - 0.00	1.80	1	GLASS	CURVE		
206.00	82.00	CSC	e	0.00 - 0.00	3.30	1	POT	BODY	CRMV	SAND
206.00	82.00	CSC	e	0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRP
206.00	82.00	CSC	e	0.00 - 0.00	2.80	1	GLASS	CURVE		
206.00	82.00	CSC	e	0.00 - 0.00	3.70	1	BRICK	FR		
206.00	76.00	CSC	e	0.00 - 0.00	1.90	1	CL	FLA	DECORT	CRV
206.00	76.00	CSC	e	0.00 - 0.00	4.00	1	BRICK			
212.00	70.00	CSC	e	0.00 - 0.00	3.10	1	GLASS	CURVE		
212.00	70.00	CSC	e	0.00 - 0.00	21.20	1	CL	FLA	RUM	CRP
194.00	88.00	CSC	e	0.00 - 0.00	2.70	4	CL	FLA	CRP	
194.00	88.00	CSC	e	0.00 - 0.00	0.80	5	CL	FLA	CRV	
194.00	88.00	CSC	e	0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRV
194.00	88.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRT
194.00	88.00	CSC	e	0.00 - 0.00	13.00	5	CL	FLA	DECORT	CRV
194.00	88.00	CSC	e	0.00 - 0.00	26.30	5	CL	FLA	DECORT	CRP
194.00	88.00	CSC	e	0.00 - 0.00	0.30	1	GLASS	CLEAR		
194.00	88.00	CSC	e	0.00 - 0.00	57.40	1	CL	SHAT	CRV	
194.00	82.00	CSC	e	0.00 - 0.00	6.50	2	GLASS	CURVE		
194.00	82.00	CSC	e	0.00 - 0.00	4.30	1	GLASS	CURVE		
194.00	82.00	CSC	e	0.00 - 0.00	1.00	1	GLASS	CURVE		
194.00	82.00	CSC	e	0.00 - 0.00	12.60	2	BRICK	FR		
194.00	82.00	CSC	e	0.00 - 0.00	3.30	5	CL	FLA	CRV	
194.00	82.00	CSC	e	0.00 - 0.00	0.30	1	CL	FLA	DECORT	CRV
194.00	82.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	SFTLP	WHCRT
194.00	82.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRP
194.00	82.00	CSC	e	0.00 - 0.00	1.00	1	POT	BODYFG	SAND	
194.00	82.00	CSC	e	0.00 - 0.00	12.80	1	CL	SHAT	CRV	
194.00	76.00	CSC	e	0.00 - 0.00	18.30	2	CL	FLA	DECORT	CRV
194.00	76.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	CRV	
194.00	76.00	CSC	e	0.00 - 0.00	0.60	1	SHELL			
194.00	76.00	CSC	e	0.00 - 0.00	1.10	1	GLASS	CURVE		
194.00	70.00	CSC	e	0.00 - 0.00	14.40	1	BRICK			
194.00	70.00	CSC	e	0.00 - 0.00	1.30	2	CL	FLA	DECORT	CRV
188.00	88.00	CSC	e	0.00 - 0.00	17.70	2	CL	FLA	DECORT	CRV
188.00	88.00	CSC	e	0.00 - 0.00	4.70	2	CL	FLA	SFTLP	CRV
188.00	88.00	CSC	e	0.00 - 0.00	3.20	1	CL	FLA	DECORT	CRR
188.00	88.00	CSC	e	0.00 - 0.00	1.90	2	CL	FLA	CRV	
188.00	88.00	CSC	e	0.00 - 0.00	3.40	2	CL	FLA	SFTLP	CRV
188.00	88.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRP	
188.00	88.00	CSC	e	0.00 - 0.00	3.60	1	CL	FLA	DECORT	QRZ
188.00	88.00	CSC	e	0.00 - 0.00	6.80	4	GLASS	CURVE		
188.00	82.00	CSC	e	0.00 - 0.00	1.40	1	CL	FLA	DECORT	CRV
188.00	82.00	CSC	e	0.00 - 0.00	0.60	2	CL	FLA	CRP	
188.00	82.00	CSC	e	0.00 - 0.00	4.40	2	CL	FLA	DECORT	CRP
188.00	82.00	CSC	e	0.00 - 0.00	3.80	2	CL	FLA	CRT	
188.00	82.00	CSC	e	0.00 - 0.00	0.10	1	CL	FLA	CRV	
188.00	82.00	CSC	e	0.00 - 0.00	0.30	1	SHELL			
188.00	82.00	CSC	e	0.00 - 0.00	9.70	1	GLASS	CURVE		
188.00	82.00	CSC	e	0.00 - 0.00	18.40	2	BRICK	FR		
188.00	76.00	CSC	e	0.00 - 0.00	89.40	1	BRICK	FR		
188.00	76.00	CSC	e	0.00 - 0.00	0.20	1	SHELL			
188.00	76.00	CSC	e	0.00 - 0.00	1.00	1	GLASS	CURVE		
		GENER	e	0.00 - 0.00	68.20	1	CL	BIFI	BTI	CRV

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU219										
		GENER	e	0.00 - 0.00	8.10	1	CL	DRAWL	CRY	
		GENER	e	0.00 - 0.00	7.60	1	CL	PRK	EXPNST	WHCRT
		GENER	e	0.00 - 0.00	3500.00	1	GPL	ANVIL	PECK	OQZ
		BD	1	0.00 - 0.00	20.00	1	FOSSIL	COAL		
		BD	1	0.00 - 0.00	3.20	1	CL	FLA	DECORT	CRR
		BD	1	0.00 - 0.00	2.10	3	CL	FLA	CRR	
		BD	1	0.00 - 0.00	1.70	1	CL	FLA	QZIT	
		BD	1	0.00 - 0.00	1.00	1	CL	FLA	CRY	
		BD	1	0.00 - 0.00	2.10	1	GLASS	CURVE		
		BD	7	0.00 - 0.00	0.80	1	ANIM	BONE		
		BD	7	0.00 - 0.00	13.70	10	FOSSIL	COAL		
		BD	7	0.00 - 0.00	2.10	2	CL	FLA	CRT	
		BD	7	0.00 - 0.00	12.90	1	CL	SHAT	CRP	
		BD	7	0.00 - 0.00	8.10	1	CL	SHAT	CRY	
		BD	7	0.00 - 0.00	0.40	1	CL	FLA	CRR	
		BD	7	0.00 - 0.00	1.70	1	CL	FLA	OQZ	
		BD	7	0.00 - 0.00	1.90	1	CL	FLA	SFTLP	CRY
		BD	7	0.00 - 0.00	0.60	2	CL	FLA	WHCRT	
		BD	7	0.00 - 0.00	334.40	1	REDW	DPIPE		
		BD	13	0.00 - 0.00	2.10	2	CL	FLA	SFTLP	CRY
		BD	13	0.00 - 0.00	1.80	1	CL	FLA	DECORT	CRY
		BD	13	0.00 - 0.00	0.50	1	CL	FLA	CRY	
		BD	13	0.00 - 0.00	27.00	2	METAL			
		BD	13	0.00 - 0.00	4.40	1	CL	FLA	DECORT	CRY
		BD	13	0.00 - 0.00	3.80	4	CL	FLA	CRR	
		BD	13	0.00 - 0.00	6.30	2	CL	FLA	DECORT	CRR
		BD	13	0.00 - 0.00	4.90	2	FOSSIL	COAL		
		BD	19	0.00 - 0.00	28.10	3	CL	FLA	DECORT	CRY
		BD	19	0.00 - 0.00	0.90	1	CL	FLA	SFTLP	CRY
		BD	19	0.00 - 0.00	2.40	2	CL	FLA	SFTLP	CRY
		BD	19	0.00 - 0.00	3.90	3	CL	FLA	CRY	
		BD	19	0.00 - 0.00	1.10	4	CL	FLA	CRR	
		BD	19	0.00 - 0.00	16.10	7	CL	FLA	DECORT	CRR
		BD	25	0.00 - 0.00	6.90	6	CL	FLA	CRR	
		BD	25	0.00 - 0.00	6.40	7	CL	FLA	DECORT	CRR
		BD	25	0.00 - 0.00	9.40	5	CL	FLA	CRY	
		BD	25	0.00 - 0.00	2.00	1	CL	FLA	SFTLP	CRY
		BD	25	0.00 - 0.00	4.10	1	CL	FLA	DECORT	CRY
		BD	25	0.00 - 0.00	22.10	1	CL	SHAT	CRR	
		BD	25	0.00 - 0.00	0.70	1	CL	FLA	CRT	
		BD	31	0.00 - 0.00	3.20	1	CL	FLA	DECORT	CRY
		BD	31	0.00 - 0.00	18.10	1	CL	FLA	DECORT	OQZ
		BD	31	0.00 - 0.00	204.50	1	CL	CHNK	TESTED	CRY
		BD	31	0.00 - 0.00	1.60	3	CL	FLA	CRY	
		BD	31	0.00 - 0.00	6.20	5	CL	FLA	CRR	
		BD	31	0.00 - 0.00	52.00	2	REDW	DPIPE		
		BD	31	0.00 - 0.00	12.50	1	CL	BIFK	OQZ	DS
		BD	31	0.00 - 0.00	47.10	4	POT	BODY	SHELL	
		BD	31	0.00 - 0.00	1.20	2	POT	BODYFG	SHELL	
		BD	31	0.00 - 0.00	0.20	1	ANIM	BONE		
		BD	37	0.00 - 0.00	1.20		POT	BODYFG	SHELL	
		BD	37	0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRP
		BD	37	0.00 - 0.00	1.00	3	CL	FLA	CRY	
		BD	37	0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRY
		BD	43	0.00 - 0.00	30.00	1	ANIM	BONE		
		BD	43	0.00 - 0.00	4.80	2	CL	FLA	DECORT	CRP

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23BU289										
		BD	43	0.00 - 0.00	1.10	1	CL	FLA	CRY	
		BD	43	0.00 - 0.00	0.20	1	CL	FLA	WHCRT	
		BD	43	0.00 - 0.00	18.40	1	CL	SHAT	CRY	
		BD	49	0.00 - 0.00	1.20	1	CL	FLA	CRR	
		BD	49	0.00 - 0.00	2.60	2	CL	FLA	CRY	
		BD	55	0.00 - 0.00	63.40	1	CL	BIFK	STI	CRY
		BD	61	0.00 - 0.00	1.00	1	CL	FLA	CRR	
		BD	61	0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRY
		BD	61	0.00 - 0.00	0.30	2	CL	FLA	CRY	
		BD	61	0.00 - 0.00	5.00		METAL			
		BD	67	0.00 - 0.00	46.90	1	CL	BIFK	STI	CRY
		BD	73	0.00 - 0.00	9.10	1	GLASS	MOLD		
		BD	97	0.00 - 0.00	73.80	1	GLASS	JRIM	LBLUE	
		BD	97	0.00 - 0.00	5.20	5	CL	FLA	CRY	
		BD	97	0.00 - 0.00	5.50	4	CL	FLA	DECORT	CRY
		BD	97	0.00 - 0.00	0.40	1	CL	FLA	CRR	
		BD	97	0.00 - 0.00	0.40	1	CL	FLA	DECORT	CRR
		BD	103	0.00 - 0.00	1.70	1	CL	FLA	SFTLP	OBI
		BD	103	0.00 - 0.00	3.20	1	CL	FLA	RUM	CRY
		BD	103	0.00 - 0.00	38.50	1	CL	SHAT	CRY	
		BD	109	0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRY
		BD	109	0.00 - 0.00	4.10	1	CL	BIFK	CRR	FR FC
		BD	109	0.00 - 0.00	0.40	1	URM	CHNK	CRR	FC
		BD	115	0.00 - 0.00	1.00	2	CL	FLA	CRR	
		BD	115	0.00 - 0.00	0.50	1	URM	CHNK	HEM	
		BD	121	0.00 - 0.00	20.70	1	GLASS	BASE	LBLUE	
		BD	121	0.00 - 0.00	9.10	3	CL	FLA	DECORT	CRY
		BD	121	0.00 - 0.00	6.80	4	CL	FLA	DECORT	CRR
		BD	121	0.00 - 0.00	1.00	2	CL	FLA	CRR	
		BD	121	0.00 - 0.00	3.30	5	CL	FLA	CRY	
		BD	127	0.00 - 0.00	0.60	1	CL	FLA	DECORT	CRR
		BD	127	0.00 - 0.00	0.40	1	CL	FLA	CRR	
		BD	127	0.00 - 0.00	4.10	2	CL	FLA	CRY	
		BD	127	0.00 - 0.00	155.80	1	URM	CHNK	PEWD	
		BD	133	0.00 - 0.00	4.80	1	CL	BIFK	WHCRT	FR
		BD	133	0.00 - 0.00	0.30	1	CL	FLA	CRR	
		BD	133	0.00 - 0.00	1.10	2	CL	FLA	CRY	
		BD	133	0.00 - 0.00	7.00	3	CL	FLA	DECORT	CRY
		BD	133	0.00 - 0.00	1.70	1	CL	FLA	DECORT	CRR
		BD	133	0.00 - 0.00	9.20		URM	CHNK	FC	
		BD	139	0.00 - 0.00	3.00	1	POT	BODY	SAND	
		BD	139	0.00 - 0.00	1.50	2	CL	FLA	DECORT	CRY
		BD	139	0.00 - 0.00	0.80	1	CL	FLA	CRR	
		BD	139	0.00 - 0.00	10.00		URM	CHNK	FC	
		BD	145	0.00 - 0.00	2.20	2	CL	FLA	DECORT	CRR
		BD	145	0.00 - 0.00	1.10	2	CL	FLA	SFTLP	CRR
		BD	145	0.00 - 0.00	0.10	1	CL	FLA	CRR	
		BD	145	0.00 - 0.00	4.20	3	CL	FLA	CRY	
		BD	145	0.00 - 0.00	2.90	2	CL	FLA	DECORT	CRY
		BD	151	0.00 - 0.00	1.20	2	CL	FLA	SFTLP	CRY
		BD	151	0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRT
		BD	151	0.00 - 0.00	0.20	1	CL	FLA	LUNA	CRR
		BD	151	0.00 - 0.00	0.10	1	CL	FLA	CRR	
		BD	157	0.00 - 0.00	1.60	2	CL	FLA	DECORT	CRR
		BD	157	0.00 - 0.00	0.10	1	CL	FLA	CRR	
		BD	157	0.00 - 0.00	1.30	2	CL	FLA	DECORT	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITEID = 23DU289										
		BD	157	0.00 - 0.00	0.30	1	CL	FLA	QQZ	
		BD	163	0.00 - 0.00	3.60	1	POT	BODY	SAND	
		BD	163	0.00 - 0.00	1.40		POT	BODYFG	SAND	
		BD	163	0.00 - 0.00	28.40	8	CL	FLA	DECORT	CRY
		BD	163	0.00 - 0.00	6.10	4	CL	FLA	CRY	
		BD	163	0.00 - 0.00	0.70	1	CL	FLA	WHCRT	
		BD	163	0.00 - 0.00	5.60	6	CL	FLA	SFTLP	CRY
		BD	163	0.00 - 0.00	7.10	8	CL	FLA	CRR	
		BD	163	0.00 - 0.00	0.80	1	CL	FLA	SFTLP	CRR
		BD	163	0.00 - 0.00	13.10	5	CL	FLA	DECORT	CRR
		BD	163	0.00 - 0.00	15.20	1	CL	FLA	DECORT	QQZ
		BD	163	0.00 - 0.00	1.30	1	CL	FLA	DECORT	QQZ
		BD	163	0.00 - 0.00	1.40	1	METAL	FERS		
		BD	163	0.00 - 0.00	1.00	1	GLASS	CURVE		
		BD	163	0.00 - 0.00	7.20	1	STONEW	ALBALB		
		BD	169	0.00 - 0.00	0.90	4	CL	FLA	CRY	
		BD	169	0.00 - 0.00	0.20	1	CL	FLA	WHCRT	
		BD	169	0.00 - 0.00	59.00	1	CL	COBL	TESTED	CRY
		BD	169	0.00 - 0.00	9.70		URM	CHNK	FC	
		BD	175	0.00 - 0.00	0.20	1	CL	FLA	CRY	
		BD	175	0.00 - 0.00	0.50	2	CL	FLA	CRR	
		BD	175	0.00 - 0.00	2.10	1	CL	FLA	DECORT	CRY
		BD	175	0.00 - 0.00	14.30	3	CL	FLA	DECORT	CRR
		BD	175	0.00 - 0.00	6.20	1	BRICK	FR		
		BD	181	0.00 - 0.00	0.20	1	CL	FLA	CRR	
		BD	181	0.00 - 0.00	2.00	1	CL	FLA	DECORT	CRY
		BD	181	0.00 - 0.00	1.20	1	CL	FLA	DECORT	CRT
		BD	181	0.00 - 0.00	1.90	1	CL	FLA	DECORT	CRR
		BD	181	0.00 - 0.00	22.20	1	CL	SHAT	CRY	
		BD	181	0.00 - 0.00	0.20	1	CL	FLA	QQZ	
		BD	181	0.00 - 0.00	0.20	1	CL	FLA	CRT	
		BD	181	0.00 - 0.00	2.40	1	POT	BODY	SAND	WEA
		BD	187	0.00 - 0.00	0.10	1	CL	FLA	CRR	
		BD	187	0.00 - 0.00	11.10	3	URM	CHNK	FC	
		BD	193	0.00 - 0.00	13.80	2	CL	FLA	DECORT	CRR
		BD	193	0.00 - 0.00	0.10	1	CL	FLA	CRR	
		BD	193	0.00 - 0.00	4.00	1	METAL	GEAR		
		BD	199	0.00 - 0.00	15.30	1	CL	BIFK	END	CRY
		BD	199	0.00 - 0.00	0.30	1	URM	CHNK	CRR	FC
		BD	205	0.00 - 0.00	0.80	3	CL	FLA	CRR	
		BD	205	0.00 - 0.00	0.40	1	CL	FLA	DECORT	CRR
		BD	211	0.00 - 0.00	2.70	2	CL	FLA	SFTLP	CRY
		BD	211	0.00 - 0.00	0.30	1	CL	FLA	CRY	
		BD	211	0.00 - 0.00	11.80	1	CL	FLA	DECORT	CRY
		BD	211	0.00 - 0.00	7.60	2	CL	FLA	DECORT	CRR
		BD	211	0.00 - 0.00	180.00	1	CL	COBL	TESTED	QQZ
		BD	217	0.00 - 0.00	1.50	1	CL	FLA	SFTLP	CRY
		BD	217	0.00 - 0.00	1.50	1	CL	FLA	DECORT	QQZ
		BD	217	0.00 - 0.00	6.10	3	CL	FLA	DECORT	CRY
		BD	217	0.00 - 0.00	0.80	2	CL	FLA	CRR	
		BD	217	0.00 - 0.00	0.30	1	CL	FLA	DECORT	CRR
		BD	217	0.00 - 0.00	0.40	1	CL	FLA	WHCRT	
		BD	223	0.00 - 0.00	0.40	1	CL	FLA	QQZ	
		BD	223	0.00 - 0.00	0.40	2	CL	FLA	SFTLP	CRR
		BD	223	0.00 - 0.00	3.30	2	CL	FLA	DECORT	CRR
		BD	223	0.00 - 0.00	5.00	1	CL	SHAT	CRR	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
SITE# = [redacted]											
		BD	223	0.00 - 0.00	9.40	1	CL	BIFK	CRP	FR	
		BD	229	0.00 - 0.00	1.40	2	CL	FLA	CRR		
		BD	229	0.00 - 0.00	11.80	4	CL	FLA	DECORT	CRR	
		BD	229	0.00 - 0.00	5.50	2	CL	FLA	DECORT	CRY	
		BD	229	0.00 - 0.00	0.30	1	CL	FLA	CRY		
		BD	229	0.00 - 0.00	8.00	1	CL	SHAT	CRT		
		BD	229	0.00 - 0.00	86.10	1	CL	COBL	TESTED	CRY	
		BD	229	0.00 - 0.00	2.80	1	CL	FLA	DECORT	CRT	
		BD	229	0.00 - 0.00	1.30	1	CL	FLA	SCR	PUM	CRR
		BD	235	0.00 - 0.00	0.20	1	CL	FLA	CRY		
		BD	235	0.00 - 0.00	1.20	2	CL	FLA	CRR		
		BD	235	0.00 - 0.00	0.40	1	CL	FLA	OBZ		
		BD	235	0.00 - 0.00	3.20	3	CL	FLA	DECORT	CRR	
		BD	235	0.00 - 0.00	2.40	1	CL	SHAT	CRR		
		BD	235	0.00 - 0.00	3.60	2	CL	SHAT	OBZ		
		BD	241	0.00 - 0.00	2.30	1	CL	FLA	DECORT	OBZ	
		BD	241	0.00 - 0.00	0.40	1	CL	FLA	WHCRT		
		BD	241	0.00 - 0.00	0.30	2	CL	FLA	CRR		
		BD	241	0.00 - 0.00	0.20	1	CL	FLA	CRY		
		BD	241	0.00 - 0.00	1.50	1	WHITEW	RIM			
		BD	241	0.00 - 0.00	83.90	1	CL	COBL	TESTED	OBZ	
		BD	241	0.00 - 0.00	39.90	1	CL	CORE	OBZ		
		BD	247	0.00 - 0.00	1.20	1	CL	FLA	CRY		
		BD	253	0.00 - 0.00	34.70	1	BRICK				
		BD	253	0.00 - 0.00	2.30	4	CL	FLA	CRR		
		BD	253	0.00 - 0.00	0.40	1	CL	FLA	DECORT	CRR	
		BD	253	0.00 - 0.00	0.70	1	CL	FLA	CRY		
		BD	253	0.00 - 0.00	1.70	1	CL	FLA	DECORT	CRY	
		BD	253	0.00 - 0.00	132.00	1	CL	CORL	TESTED	CRY	
		BD	259	0.00 - 0.00	1.40	2	CL	FLA	SFTLP	CRY	
		BD	259	0.00 - 0.00	0.90	1	CL	FLA	DECORT	CRY	
		BD	259	0.00 - 0.00	0.70	1	WHITEW	BODY			
		BD	265	0.00 - 0.00	0.20	1	CL	FLA	DECORT	CRY	
		BD	265	0.00 - 0.00	1.20	1	CL	FLA	SFTLP	CRY	
		BD	265	0.00 - 0.00	0.60	1	CL	FLA	CRY		
		BD	265	0.00 - 0.00	3.60	1	CL	FLA	DECORT	CRR	
		BD	271	0.00 - 0.00	13.70	2	CL	SHAT	CRY		
		BD	271	0.00 - 0.00	78.60	1	CL	SHAT	OBZ		
		BD	271	0.00 - 0.00	1.70	1	CL	FLA	OBZ		
		BD	271	0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRR	
		BD	271	0.00 - 0.00	1.40	2	CL	FLA	CRR		
		BD	271	0.00 - 0.00	0.40	1	CL	FLA	WHCRT		
		BD	271	0.00 - 0.00	5.40	1	POT	BODY	SAND		
		BD	271	0.00 - 0.00	0.50	1	POT	PEL			
		BD	277	0.00 - 0.00	1.10	1	CL	FLA	DECORT	CRR	
		BD	277	0.00 - 0.00	0.30	1	CL	FLA	DECORT	CRY	
		BD	277	0.00 - 0.00	0.20	1	CL	FLA	CRT		
		BD	283	0.00 - 0.00	2.20	2	CL	FLA	DECORT	CRY	
		BD	283	0.00 - 0.00	0.10	1	CL	FLA	CRY		
		BD	283	0.00 - 0.00	0.30	1	CL	FLA	CRR		
		BD	289	0.00 - 0.00	2.00	1	POT	BODY	SAND		
		BD	289	0.00 - 0.00	4.50	4	CL	FLA	DECORT	CRR	
		BD	289	0.00 - 0.00	6.00	1	CL	FLA	DECORT	CRY	
		BD	289	0.00 - 0.00	0.50	1	CL	FLA	CRR		
		BD	289	0.00 - 0.00	0.90	1	CL	FLA	CRY		
		BD	295	0.00 - 0.00	2.80	4	CL	FLA	CRR		

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
SITENO = 23BU289											
		BD	295	0.00 - 0.00	24.60	2	CL	FLA	DECORT	CRY	
		BD	295	0.00 - 0.00	2.40	1	POT	BODYFG	CRMK	SAND	
		BD	301	0.00 - 0.00	3.10	2	CL	FLA	CRR		
		BD	301	0.00 - 0.00	1.30	1	CL	FLA	DECORT	CRY	
		BD	301	0.00 - 0.00	10.00		URM	CHNK	FC		
		BD	307	0.00 - 0.00	1.10	1	WHITEW	BODY			
		BD	307	0.00 - 0.00	4.60	1	CL	FLA	DECORT	QQZ	
		BD	313	0.00 - 0.00	41.50	6	CL	FLA	DECORT	CRR	
		BD	313	0.00 - 0.00	1.20	2	CL	FLA	CRY		
		BD	313	0.00 - 0.00	1.30	1	CL	FLA	CRR		
		BD	313	0.00 - 0.00	8.50		POT	PEL			
		BD	313	0.00 - 0.00	55.60	3	CL	FLA	DECORT	CRY	
		BD	313	0.00 - 0.00	63.00	1	CL	COBL	TESTED	CRY	
		BD	319	0.00 - 0.00	52.30	1	BRICK	FR			
		BD	319	0.00 - 0.00	24.80	1	CL	BIFK	STI	CRY	
		BD	319	0.00 - 0.00	1.00	1	CL	FLA	SFTLP	CRY	
		BD	319	0.00 - 0.00	2.70	1	CL	FLA	CRR		
		BD	319	0.00 - 0.00	0.30	1	CL	FLA	SFTLP	CRR	
		BD	319	0.00 - 0.00	0.80	1	GLASS	CURVE			
		BD	325	0.00 - 0.00	20.90	3	CL	FLA	DECORT	CRR	
		BD	325	0.00 - 0.00	12.90	5	CL	FLA	DECORT	CRY	
		BD	325	0.00 - 0.00	0.70	1	CL	FLA	QQZ		
		BD	325	0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRY	
		BD	325	0.00 - 0.00	0.50	2	CL	FLA	SFTLP	CRR	
		BD	325	0.00 - 0.00	1.30	1	CL	FLA	SFTLP	WHCRT	
		BD	325	0.00 - 0.00	1.80	1	POT	BODYFG	SAND		
		BD	337	0.00 - 0.00	0.50	1	WHITEW	RIM			
		BD	337	0.00 - 0.00	4.90	1	CL	FLA	DECORT	CRY	
		BD	337	0.00 - 0.00	0.30	1	CL	FLA	CRR		
		BD	337	0.00 - 0.00	11.30	1	CL	FLA	RUM	CRY	FC
		BD	337	0.00 - 0.00	10.90		URM	CHNK	FC		
		BD	349	0.00 - 0.00	39.30	1	METAL	FERS			
		BD	355	0.00 - 0.00	5.70	1	URM	CHNK	HEM		
		BD	355	0.00 - 0.00	20.00	1	METAL	NAIL	FERS		
		BD	361	0.00 - 0.00	4.50	1	BRICK	FR			
		BD	361	0.00 - 0.00	1.20	1	GLASS	CURVE			
		BD	367	0.00 - 0.00	2.50	1	CL	FLA	DECORT	CRY	
		BD	367	0.00 - 0.00	13.30	1	CL	FLA	DECORT	WHCRT	
		BD	367	0.00 - 0.00	13.50	1	CL	PEBL	TESTED	CRR	
		BD	397	0.00 - 0.00	2.60	1	CL	FLA	CRY		
		BD	403	0.00 - 0.00	8.40	1	CL	DART	CNTRST	CRY	PY
		GENER		0.00 - 0.00	4.80	2	POT	BODY	SAND		
		GENER		0.00 - 0.00	8.40	1	CL	DART	CNTRST	CRY	PY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...		
--> SITENO = 23DU289									
182.00	94.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
--> SITENO = 23DU289										
260.00	100.00	CSC	e	0.00 - 0.00	1.30	1	GLASS	MOLD		
260.00	100.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRY	
260.00	100.00	CSC	e	0.00 - 0.00	0.20	1	CL	FLA	CRR	
260.00	100.00	CSC	e	0.00 - 0.00	20.80	1	CL	COBL	TESTED	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
--> SITENO = 23DU290											
500.00	100.00	CSC		0.00 - 0.00	4.80	1	POT	BODY	SHELL		
500.00	100.00	CSC		0.00 - 0.00	3.50	1	POT	BODY	SAND		
500.00	100.00	CSC		0.00 - 0.00	1.00	1	POT	BODYFG	SAND		
500.00	100.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRR	
500.00	100.00	CSC		0.00 - 0.00	0.30	1	CL	FLA	CRY		
500.00	100.00	CSC		0.00 - 0.00	18.20	1	URM	CHNK	FC		
494.00	100.00	CSC		0.00 - 0.00	3.70	1	POT	RIM	SHELL		
494.00	100.00	CSC		0.00 - 0.00	0.50	1	POT	BODYFG	SHELL		
494.00	100.00	CSC		0.00 - 0.00	4.20	1	CL	FLA	DECORT	CRT	
494.00	100.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	CRR		
494.00	100.00	CSC		0.00 - 0.00	13.50		URM	CHNK	FC		
488.00	100.00	CSC		0.00 - 0.00	20.80	7	POT	BODY	SHELL		
488.00	100.00	CSC		0.00 - 0.00	8.70	1	POT	BODY	SAND		
488.00	100.00	CSC		0.00 - 0.00	45.50	1	URM	COBL	QZIT		
482.00	100.00	CSC		0.00 - 0.00	16.90	5	POT	BODY	SAND		
482.00	100.00	CSC		0.00 - 0.00	0.60		POT	BODYFG	SHELL		
482.00	100.00	CSC		0.00 - 0.00	2.90	1	POT	BODY	RED	SHELL	
482.00	100.00	CSC		0.00 - 0.00	32.80	7	POT	BODY	SHELL		
482.00	100.00	CSC		0.00 - 0.00	3.30	4	CL	FLA	CRY		
482.00	100.00	CSC		0.00 - 0.00	3.40	1	CL	FLA	CRR		
482.00	100.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	CRT		
482.00	100.00	CSC		0.00 - 0.00	4.40	1	CL	FLA	QQZ		
482.00	100.00	CSC		0.00 - 0.00	2.00	1	CL	PPK	EXPNST	CRY	BS
376.00	100.00	CSC		0.00 - 0.00	51.50	2	POT	BODY	SHELL		
376.00	100.00	CSC		0.00 - 0.00	2.40	1	POT	BODY	RED	SHELL	
376.00	100.00	CSC		0.00 - 0.00	3.50	1	POT	BODY	CRMK	SAND	
376.00	100.00	CSC		0.00 - 0.00	0.70		POT	RIMFG	SHELL		
376.00	100.00	CSC		0.00 - 0.00	0.70		POT	BODYFG	SHELL		
376.00	100.00	CSC		0.00 - 0.00	1.40	1	CL	FLA	DECORT	CRY	
376.00	100.00	CSC		0.00 - 0.00	19.80	1	CL	COBL	TESTED	CRY	
470.00	100.00	CSC		0.00 - 0.00	19.20	1	POT	BODY	RED	SHELL	
470.00	100.00	CSC		0.00 - 0.00	1.40	2	POT	RIM	RED	SHELL	
470.00	100.00	CSC		0.00 - 0.00	13.80	4	POT	BODY	CRMK	SAND	
470.00	100.00	CSC		0.00 - 0.00	9.40	3	POT	BODY	SAND		
470.00	100.00	CSC		0.00 - 0.00	0.30	1	POT	BODYFG	SHELL		
470.00	100.00	CSC		0.00 - 0.00	2.80		POT	PEL			
470.00	100.00	CSC		0.00 - 0.00	72.60	1	CL	CORE	CRR		
470.00	100.00	CSC		0.00 - 0.00	3.50	1	CL	FLA	DECORT	CRR	
470.00	100.00	CSC		0.00 - 0.00	0.60	2	CL	FLA	CRR		
470.00	100.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	CRY		
470.00	100.00	CSC		0.00 - 0.00	29.60	6	CL	FLA	DECORT	CRY	
470.00	100.00	CSC		0.00 - 0.00	2.60	2	CL	FLA	CRT		
470.00	100.00	CSC		0.00 - 0.00	29.70	9	POT	BODY	SHELL		
464.00	100.00	CSC		0.00 - 0.00	9.40	1	POT	BODY	SAND		
464.00	100.00	CSC		0.00 - 0.00	1.30		POT	BODYFG	SAND		
464.00	100.00	CSC		0.00 - 0.00	14.60	3	POT	BODY	CRMK	SAND	
464.00	100.00	CSC		0.00 - 0.00	3.80	1	POT	RIM	CRMK	SAND	
464.00	100.00	CSC		0.00 - 0.00	5.20		POT	BODYFG	SHELL		
464.00	100.00	CSC		0.00 - 0.00	26.30	8	POT	BODY	SHELL		
464.00	100.00	CSC		0.00 - 0.00	5.90	2	SHELL	MUSSEL			
464.00	100.00	CSC		0.00 - 0.00	1.70	1	CL	FLA	CRY		
458.00	100.00	CSC		0.00 - 0.00	48.00	13	POT	BODY	SHELL		
458.00	100.00	CSC		0.00 - 0.00	7.30	1	POT	BODY	RED	SHELL	
458.00	100.00	CSC		0.00 - 0.00	3.70	1	POT	BODY	SAND		

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 230429										
458.00	100.00	CSC		0.00 - 0.00	8.60	1	CL	PPK	EXPNST	CRR
458.00	100.00	CSC		0.00 - 0.00	1.80	1	CL	FLA	RUM	CRR
458.00	100.00	CSC		0.00 - 0.00	3.50	3	CL	FLA	CRR	
458.00	100.00	CSC		0.00 - 0.00	3.00	2	CL	FLA	CRY	
458.00	100.00	CSC		0.00 - 0.00	0.30	1	ANIM	TURTLE		
452.00	100.00	CSC		0.00 - 0.00	29.50	2	POT	RIM	SHELL	
452.00	100.00	CSC		0.00 - 0.00	4.50	2	POT	BODY	RED	SHELL
452.00	100.00	CSC		0.00 - 0.00	36.00	3	POT	BODY	CRMK	SAND
452.00	100.00	CSC		0.00 - 0.00	15.50	1	POT	BASE	CRMK	SAND
452.00	100.00	CSC		0.00 - 0.00	18.30	5	POT	BODY	SHELL	
452.00	100.00	CSC		0.00 - 0.00	11.00	2	HUM	BONE		
452.00	100.00	CSC		0.00 - 0.00	6.00	1	SHELL	MUSSEL		
452.00	100.00	CSC		0.00 - 0.00	14.90	1	CL	FLA	DECORT	CRY
452.00	100.00	CSC		0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRY
452.00	100.00	CSC		0.00 - 0.00	0.60	1	CL	FLA	SFTLP	WHCRT
452.00	100.00	CSC		0.00 - 0.00	9.10	3	CL	FLA	DECORT	CRR
452.00	100.00	CSC		0.00 - 0.00	4.40	2	CL	FLA	DECORT	CRY
452.00	100.00	CSC		0.00 - 0.00	4.70	2	CL	FLA	CRY	
452.00	100.00	CSC		0.00 - 0.00	45.30		URM	CHNK	FC	
446.00	100.00	CSC		0.00 - 0.00	2.50	1	POT	BODY	INCI	SHELL
446.00	100.00	CSC		0.00 - 0.00	0.60	2	ANIM	TURTLE		
446.00	100.00	CSC		0.00 - 0.00	16.80	4	POT	BODY	SAND	
446.00	100.00	CSC		0.00 - 0.00	1.40		POT	BOD.FG	SAND	
446.00	100.00	CSC		0.00 - 0.00	4.70	1	HUM	BONE	METAT	
446.00	100.00	CSC		0.00 - 0.00	5.40	4	ANIM	BONE		
446.00	100.00	CSC		0.00 - 0.00	22.90	4	POT	BODY	CRMK	SAND
446.00	100.00	CSC		0.00 - 0.00	4.70	3	POT	BODY	RED	SHELL
446.00	100.00	CSC		0.00 - 0.00	11.10		POT	BODYFG	SHELL	
446.00	100.00	CSC		0.00 - 0.00	59.50	18	POT	BODY	SHELL	
446.00	100.00	CSC		0.00 - 0.00	7.60	2	SHELL	MUSSEL		
446.00	100.00	CSC		0.00 - 0.00	2.00	1	CL	FLA	OQZ	
446.00	100.00	CSC		0.00 - 0.00	8.60	8	CL	FLA	CRY	
446.00	100.00	CSC		0.00 - 0.00	2.70	1	CL	BIFK	CRR	DS
446.00	100.00	CSC		0.00 - 0.00	63.10	11	CL	FLA	DECORT	CRY
446.00	100.00	CSC		0.00 - 0.00	1.60	1	CL	FLA	SFTLP	CRY
446.00	100.00	CSC		0.00 - 0.00	4.20	5	CL	FLA	DECORT	CRR
446.00	100.00	CSC		0.00 - 0.00	0.60	1	CL	FLA	SFTLP	CRR
446.00	100.00	CSC		0.00 - 0.00	2.90	3	CL	FLA	CRR	
446.00	100.00	CSC		0.00 - 0.00	8.00	1	CL	FLA	DECORT	CRY
446.00	100.00	CSC		0.00 - 0.00	2.10	1	CL	FLA	SFTLP	CRR
440.00	100.00	CSC		0.00 - 0.00	111.00	1	GRL	HAM	OQZ	
440.00	100.00	CSC		0.00 - 0.00	1.80	3	SHELL			
440.00	100.00	CSC		0.00 - 0.00	0.90	2	ANIM	TURTLE		
440.00	100.00	CSC		0.00 - 0.00	4.80	1	ANIM	BONE	JAW	
440.00	100.00	CSC		0.00 - 0.00	2.80	1	ANIM	BONE	VERT	
440.00	100.00	CSC		0.00 - 0.00	16.30	12	HUM	BONE		
440.00	100.00	CSC		0.00 - 0.00	3.00	4	CL	FLA	SFTLP	CRY
440.00	100.00	CSC		0.00 - 0.00	3.70	2	CL	FLA	CRY	
440.00	100.00	CSC		0.00 - 0.00	2.70	4	CL	FLA	CRR	
440.00	100.00	CSC		0.00 - 0.00	9.30	3	CL	FLA	DECORT	CRY
440.00	100.00	CSC		0.00 - 0.00	3.80	1	CL	FLA	OQZ	
440.00	100.00	CSC		0.00 - 0.00	1.00	1	CL	BIFK	ST3	WHCRT FR
440.00	100.00	CSC		0.00 - 0.00	1.00	3	POT	BODY	CRMK	SAND
440.00	100.00	CSC		0.00 - 0.00	4.00		POT	BODYFG	SHELL	
440.00	100.00	CSC		0.00 - 0.00	2.70	1	POT	BODY	RED	SHELL
440.00	100.00	CSC		0.00 - 0.00	150.40	24	POT	BODY	SHELL	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23DU298										
440.00	100.00	CSC		0.00 - 0.00	30.00	6	POT	RIM	SHELL	
434.00	100.00	CSC		0.00 - 0.00	1.50	1	ANIM	BONE		
434.00	100.00	CSC		0.00 - 0.00	6.20	1	SHELL	MUSSEL		
434.00	100.00	CSC		0.00 - 0.00	5.80	4	CL	FLA	CRY	
434.00	100.00	CSC		0.00 - 0.00	39.60	8	CL	FLA	DECORT	CRY
434.00	100.00	CSC		0.00 - 0.00	3.40	2	CL	FLA	SFTLP	CRY
434.00	100.00	CSC		0.00 - 0.00	5.40	1	CL	FLA	WHCRT	
434.00	100.00	CSC		0.00 - 0.00	30.40	9	CL	FLA	DECORT	CRR
434.00	100.00	CSC		0.00 - 0.00	4.90	1	CL	CORE	CRY	FR
434.00	100.00	CSC		0.00 - 0.00	8.50	1	CL	BIFK	ST2	CRR FR
434.00	100.00	CSC		0.00 - 0.00	1.20		POT	BODYFG	RED	SHELL
434.00	100.00	CSC		0.00 - 0.00	3.70	1	POT	RIM	RED	SHELL
434.00	100.00	CSC		0.00 - 0.00	8.00	2	POT	BODY	RED	SHELL
434.00	100.00	CSC		0.00 - 0.00	17.90	2	POT	RIM	SHELL	
434.00	100.00	CSC		0.00 - 0.00	144.60	34	POT	BODY	SHELL	
434.00	100.00	CSC		0.00 - 0.00	61.00	12	POT	BODY	CRMK	SAND
434.00	100.00	CSC		0.00 - 0.00	10.00	1	POT	BODY	INCI	SHELL
434.00	100.00	CSC		0.00 - 0.00	50.50	12	POT	BODY	SAND	
434.00	100.00	CSC		0.00 - 0.00	3.00	1	POT	DAUB		
428.00	100.00	CSC		0.00 - 0.00	3.60	3	CL	FLA	CRR	
428.00	100.00	CSC		0.00 - 0.00	8.30	1	CL	SHAT	CPR	
428.00	100.00	CSC		0.00 - 0.00	2.00	1	CL	FLA	DECORT	CRY
428.00	100.00	CSC		0.00 - 0.00	3.70	3	CL	FLA	CRY	
428.00	100.00	CSC		0.00 - 0.00	94.90	26	POT	BODY	SHELL	
428.00	100.00	CSC		0.00 - 0.00	4.50		POT	BODYFG	SHELL	
428.00	100.00	CSC		0.00 - 0.00	2.20	1	POT	BODY	RED	SHELL
428.00	100.00	CSC		0.00 - 0.00	4.00	2	POT	RIM	SHELL	
428.00	100.00	CSC		0.00 - 0.00	7.80	1	POT	BODY	DEC	SAND WEA
428.00	100.00	CSC		0.00 - 0.00	11.70	3	POT	BODY	CRMK	SAND
428.00	100.00	CSC		0.00 - 0.00	19.50	6	POT	BODY	SAND	
428.00	100.00	CSC		0.00 - 0.00	4.40	1	BONE			
428.00	100.00	CSC		0.00 - 0.00	10.50	1	POT	BASE	SAND	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
--> SITENO = 23DU290										
422.00	100.00	CSC		0.00 - 0.00	19.80	3	CL	SHAT	CRY	
422.00	100.00	CSC		0.00 - 0.00	1.60	2	CL	FLA	CRY	
422.00	100.00	CSC		0.00 - 0.00	2.20	2	CL	FLA	CRR	
422.00	100.00	CSC		0.00 - 0.00	3.00	2	CL	FLA	SFTLP	CRR
422.00	100.00	CSC		0.00 - 0.00	2.60	1	POT	BODY	SAND	
422.00	100.00	CSC		0.00 - 0.00	31.40	6	POT	BODY	CRMK	SAND
422.00	100.00	CSC		0.00 - 0.00	69.70	21	POT	BODY	SHELL	
422.00	100.00	CSC		0.00 - 0.00	1.10		POT	BODYFG	SHELL	
422.00	100.00	CSC		0.00 - 0.00	7.60	2	POT	RIM	SHELL	
422.00	100.00	CSC		0.00 - 0.00	17.10	2	POT	BASE	SAND	
422.00	100.00	CSC		0.00 - 0.00	17.90	1	POT	BASE	DEC	SAND WEA
422.00	100.00	CSC		0.00 - 0.00	585.60	1	GRL	GRIP	QZIT	
422.00	100.00	CSC		0.00 - 0.00	10.60	1	CL	BIFK	ST2	CRY
416.00	100.00	CSC		0.00 - 0.00	32.60	1	CL	SHAT	OQZ	
416.00	100.00	CSC		0.00 - 0.00	14.50	2	CL	FLA	DECORT	CRY
416.00	100.00	CSC		0.00 - 0.00	4.60	1	CL	FLA	RUM	CRY
416.00	100.00	CSC		0.00 - 0.00	5.40	1	POT	BODY	SAND	
416.00	100.00	CSC		0.00 - 0.00	1.10	1	POT	BODYFG	SAND	
416.00	100.00	CSC		0.00 - 0.00	1.30	1	POT	BODYFG	CRMK	SAND
416.00	100.00	CSC		0.00 - 0.00	16.10	5	POT	BODY	CRMK	SAND
416.00	100.00	CSC		0.00 - 0.00	36.80	2	POT	RIM	CRMK	SAND
416.00	100.00	CSC		0.00 - 0.00	76.70	20	POT	BODY	SHELL	
416.00	100.00	CSC		0.00 - 0.00	2.70		POT	BODYFG	SHELL	
416.00	100.00	CSC		0.00 - 0.00	13.20	2	POT	BASE	SHELL	
416.00	100.00	CSC		0.00 - 0.00	159.00	1	GRL	HAM	CRTLS	
416.00	100.00	CSC		0.00 - 0.00	1.30	2	ANIM	BONE		
410.00	100.00	CSC		0.00 - 0.00	15.70	1	CL	FLA	DECORT	CRY
410.00	100.00	CSC		0.00 - 0.00	13.20	3	CL	FLA	DECORT	CRR
410.00	100.00	CSC		0.00 - 0.00	1.70	1	CL	SHAT	CRR	
410.00	100.00	CSC		0.00 - 0.00	3.50	1	CL	FLA	SFTLP	CRR
410.00	100.00	CSC		0.00 - 0.00	2.70	2	CL	FLA	CRY	
410.00	100.00	CSC		0.00 - 0.00	8.00	2	CL	FLA	CRR	
410.00	100.00	CSC		0.00 - 0.00	3.20	2	CL	FLA	SFTLP	CRY
410.00	100.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	OQZ	
410.00	100.00	CSC		0.00 - 0.00	1.30	1	CL	ARROW	CORNT	CRY
410.00	100.00	CSC		0.00 - 0.00	39.60	1	CL	COBL	TESTED	CRY
410.00	100.00	CSC		0.00 - 0.00	6.20	2	POT	BODY	SAND	
410.00	100.00	CSC		0.00 - 0.00	23.20	4	POT	BODY	CRMK	SAND
410.00	100.00	CSC		0.00 - 0.00	2.40	1	POT	RIM	SHELL	
410.00	100.00	CSC		0.00 - 0.00	85.80	27	POT	BODY	SHELL	
410.00	100.00	CSC		0.00 - 0.00	9.60		POT	BODYFG	SHELL	
410.00	100.00	CSC		0.00 - 0.00	2.10	1	ANIM	TURTLE		
410.00	100.00	CSC		0.00 - 0.00	34.20	1	ANIM	ANTLER		
410.00	100.00	CSC		0.00 - 0.00	4.60	1	POT	FCLAY		
404.00	100.00	CSC		0.00 - 0.00	128.20	31	POT	BODY	SHELL	
404.00	100.00	CSC		0.00 - 0.00	7.50	1	POT	RIM	SHELL	
404.00	100.00	CSC		0.00 - 0.00	1.70	1	POT	RIM	FING	SHELL
404.00	100.00	CSC		0.00 - 0.00	1.40	1	POT	RIM	SOOT	SHELL
404.00	100.00	CSC		0.00 - 0.00	7.60		POT	BODYFG	SHELL	
404.00	100.00	CSC		0.00 - 0.00	2.10	1	POT	BODY	FING	SAND
404.00	100.00	CSC		0.00 - 0.00	6.80	2	POT	BODY	CRMK	SAND
404.00	100.00	CSC		0.00 - 0.00	11.80	1	POT	RIM	CRMK	SAND
404.00	100.00	CSC		0.00 - 0.00	8.60	1	POT	RIM	CRMK	SHELL
404.00	100.00	CSC		0.00 - 0.00	30.40	6	POT	BODY	SAND	

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
SITENO = 23BU290										
404.00	100.00	CSC		0.00 - 0.00	0.20	1	ANIM	TURTLE		
404.00	100.00	CSC		0.00 - 0.00	1.00	2	ANIM	BONE	VERT	
404.00	100.00	CSC		0.00 - 0.00	3.30	3	ANIM	BONE		
404.00	100.00	CSC		0.00 - 0.00	15.90	5	CL	FLA	DECORT	CRY
404.00	100.00	CSC		0.00 - 0.00	3.00	2	CL	FLA	SFTLP	CRY
404.00	100.00	CSC		0.00 - 0.00	8.30	3	CL	FLA	CRY	
404.00	100.00	CSC		0.00 - 0.00	1.80	1	CL	FLA	CRT	
404.00	100.00	CSC		0.00 - 0.00	1.60	2	CL	FLA	CRR	
404.00	100.00	CSC		0.00 - 0.00	5.70	1	CL	FLA	SFTLP	CRR
404.00	100.00	CSC		0.00 - 0.00	12.80	7	CL	FLA	DECORT	CRR
404.00	100.00	CSC		0.00 - 0.00	73.00	1	CL	COBL	TESTED	CRY
404.00	100.00	CSC		0.00 - 0.00	109.10	1	CL	COBTO	CRY	
398.00	100.00	CSC		0.00 - 0.00	1.20	1	ANIM	BONE	CAL	
398.00	100.00	CSC		0.00 - 0.00	6.80	3	CL	FLA	CRY	
398.00	100.00	CSC		0.00 - 0.00	7.50	7	CL	FLA	DECORT	CRY
398.00	100.00	CSC		0.00 - 0.00	1.10	1	CL	FLA	SFTLP	CRY
398.00	100.00	CSC		0.00 - 0.00	1.00	1	CL	FLA	SFTLP	CRR
398.00	100.00	CSC		0.00 - 0.00	6.90	3	CL	FLA	DECORT	CRR
398.00	100.00	CSC		0.00 - 0.00	13.00	7	CL	FLA	CRR	
398.00	100.00	CSC		0.00 - 0.00	103.10	23	POT	BODY	SHELL	
398.00	100.00	CSC		0.00 - 0.00	41.30	12	POT	BODY	SAND	
398.00	100.00	CSC		0.00 - 0.00	20.70	2	POT	BODY	RED	SHELL
398.00	100.00	CSC		0.00 - 0.00	7.90	1	POT	RIM	SHELL	
398.00	100.00	CSC		0.00 - 0.00	7.50	1	POT	RIM	CRMK	SAND
398.00	100.00	CSC		0.00 - 0.00	13.70	4	POT	BODY	CRMK	SAND
398.00	100.00	CSC		0.00 - 0.00	2.90	1	POT	RIM	SHELL	
392.00	100.00	CSC		0.00 - 0.00	2.90	3	CL	FLA	CRY	
392.00	100.00	CSC		0.00 - 0.00	4.20	3	CL	FLA	DECORT	CRY
392.00	100.00	CSC		0.00 - 0.00	1.80	3	CL	FLA	CRR	
392.00	100.00	CSC		0.00 - 0.00	2.90	1	CL	FLA	SFTLP	CRR
392.00	100.00	CSC		0.00 - 0.00	8.70	1	CL	SHAT	CRR	
392.00	100.00	CSC		0.00 - 0.00	10.90	1	POT	DAUB		
392.00	100.00	CSC		0.00 - 0.00	17.70	3	POT	BODY	SAND	
392.00	100.00	CSC		0.00 - 0.00	1.50	1	POT	BODYFG	SAND	
392.00	100.00	CSC		0.00 - 0.00	4.20	1	POT	BODY	CRMK	SAND
392.00	100.00	CSC		0.00 - 0.00	0.90		POT	BODYFG	SHELL	
392.00	100.00	CSC		0.00 - 0.00	90.10	18	POT	BODY	SHELL	
392.00	100.00	CSC		0.00 - 0.00	4.60	1	POT	RIM	SHELL	
392.00	100.00	CSC		0.00 - 0.00	1.90	1	CL	FLA	OQZ	
392.00	100.00	CSC		0.00 - 0.00	11.80	2	ANIM	BONE		
386.00	100.00	CSC		0.00 - 0.00	3.30	1	URM	CHNK	HEM	
386.00	100.00	CSC		0.00 - 0.00	1.30	2	CL	FLA	CRY	
386.00	100.00	CSC		0.00 - 0.00	5.40	4	CL	FLA	CRR	
386.00	100.00	CSC		0.00 - 0.00	1.70	2	CL	FLA	SFTLP	CRY
386.00	100.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRR
386.00	100.00	CSC		0.00 - 0.00	0.40	1	CL	FLA	SFTLP	CRY
386.00	100.00	CSC		0.00 - 0.00	29.30	6	CL	FLA	DECORT	CRY
386.00	100.00	CSC		0.00 - 0.00	3.20	1	CL	FLA	DECORT	CRR
386.00	100.00	CSC		0.00 - 0.00	8.70	1	CL	SHAT	CRY	
386.00	100.00	CSC		0.00 - 0.00	26.80	1	CL	SHAT	CRR	
386.00	100.00	CSC		0.00 - 0.00	1.30	1	CL	FLA	OQZ	
386.00	100.00	CSC		0.00 - 0.00	1.60	1	CL	FLA	DECORT	OQZ
386.00	100.00	CSC		0.00 - 0.00	4.60	3	POT	BODYFG	SAND	
386.00	100.00	CSC		0.00 - 0.00	2.70	1	POT	BODY	SAND	
386.00	100.00	CSC		0.00 - 0.00	15.50	3	POT	BODY	CRMK	SAND
386.00	100.00	CSC		0.00 - 0.00	1.90	1	POT	BODYFG	CRMK	SAND

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...				
SITENO = 23DU230											
386.00	100.00	CSC		0.00 - 0.00	1.80	1	POT	RIMFG	CRMK	SAND	
386.00	100.00	CSC		0.00 - 0.00	23.20	2	POT	RIM	SHELL		
386.00	100.00	CSC		0.00 - 0.00	25.80	2	POT	BASE	SHELL		
386.00	100.00	CSC		0.00 - 0.00	100.50	30	POT	BODY	SHELL		
386.00	100.00	CSC		0.00 - 0.00	5.70		POT	BODYFG	SHELL		
386.00	100.00	CSC		0.00 - 0.00	1.70	2	HUM	BONE	SKULL		
386.00	100.00	CSC		0.00 - 0.00	0.60	1	ANIM	BONE	BUP		
380.00	100.00	CSC		0.00 - 0.00	8.50	4	CL	FLA	DECORT	CRP	
380.00	100.00	CSC		0.00 - 0.00	4.00	2	CL	FLA	SFTLP	CRP	
380.00	100.00	CSC		0.00 - 0.00	0.50	1	CL	FLA	SFTLP	CRR	
380.00	100.00	CSC		0.00 - 0.00	5.60	1	CL	FLA	CRR		
380.00	100.00	CSC		0.00 - 0.00	8.60	6	CL	FLA	DECORT	CRY	
380.00	100.00	CSC		0.00 - 0.00	7.60	3	CL	FLA	SFTLP	CRY	
380.00	100.00	CSC		0.00 - 0.00	15.30	7	CL	FLA	CRY		
380.00	100.00	CSC		0.00 - 0.00	3.00	1	CL	FLA	DECORT	OBZ	
380.00	100.00	CSC		0.00 - 0.00	23.90	1	CL	SHAT	CRY		
380.00	100.00	CSC		0.00 - 0.00	1.90	1	CL	SHAT	CRR		
380.00	100.00	CSC		0.00 - 0.00	6.40	2	POT	BODY	SAND		
380.00	100.00	CSC		0.00 - 0.00	76.30	10	POT	BODY	CRMK	SAND	
380.00	100.00	CSC		0.00 - 0.00	13.30	1	POT	BODY	INCI	SAND	
380.00	100.00	CSC		0.00 - 0.00	15.40	2	POT	RIM	SHELL		
380.00	100.00	CSC		0.00 - 0.00	7.20	1	POT	RIM	POLISH	SHELL	
380.00	100.00	CSC		0.00 - 0.00	21.70	2	POT	BODY	RED	SHELL	
380.00	100.00	CSC		0.00 - 0.00	124.00	29	POT	BODY	SHELL		
380.00	100.00	CSC		0.00 - 0.00	38.10	1	POT	DAUB			
380.00	100.00	CSC		0.00 - 0.00	1.50	1	HUM	TOOTH	MOLAR		
380.00	100.00	CSC		0.00 - 0.00	16.30	6	ANIM	BONE			
374.00	100.00	CSC		0.00 - 0.00	0.10	1	CL	FLA	SFTLP	CRP	
374.00	100.00	CSC		0.00 - 0.00	3.10	4	CL	FLA	DECORT	CRR	
374.00	100.00	CSC		0.00 - 0.00	7.00	6	CL	FLA	CRR		
374.00	100.00	CSC		0.00 - 0.00	4.90	6	CL	FLA	CRY		
374.00	100.00	CSC		0.00 - 0.00	31.00	8	CL	FLA	DECORT	CRY	
374.00	100.00	CSC		0.00 - 0.00	477.60	1	GRL	PITS	OBZ		
374.00	100.00	CSC		0.00 - 0.00	109.50	1	CL	COBL	TESTED	CRY	
374.00	100.00	CSC		0.00 - 0.00	3.20	1	POT	BODY	RED	SHELL	
374.00	100.00	CSC		0.00 - 0.00	3.70	1	POT	RIM	SHELL		
374.00	100.00	CSC		0.00 - 0.00	13.50	5	POT	BODY	SAND		
374.00	100.00	CSC		0.00 - 0.00	34.50	9	POT	BODY	CRMK	SAND	
374.00	100.00	CSC		0.00 - 0.00	98.30	20	POT	BODY	SHELL		
374.00	100.00	CSC		0.00 - 0.00	0.90	1	ANIM	BONE	CAL		
368.00	100.00	CSC		0.00 - 0.00	22.70	2	CL	SHAT	CRR		
368.00	100.00	CSC		0.00 - 0.00	56.70	1	CL	SHAT	CRY		
368.00	100.00	CSC		0.00 - 0.00	27.10	1	CL	COBL	CRY		
368.00	100.00	CSC		0.00 - 0.00	43.00	1	CL	CORE	CRY		
368.00	100.00	CSC		0.00 - 0.00	31.00	5	CL	FLA	DECORT	CRY	
368.00	100.00	CSC		0.00 - 0.00	5.40	3	CL	FLA	DECORT	CRY	
368.00	100.00	CSC		0.00 - 0.00	7.50	3	CL	FLA	CRR		
368.00	100.00	CSC		0.00 - 0.00	99.30	17	POT	BODY	SHELL		
368.00	100.00	CSC		0.00 - 0.00	5.50		POT	BODYFG	SHELL		
368.00	100.00	CSC		0.00 - 0.00	53.70	8	POT	BODY	CRMK	SAND	
368.00	100.00	CSC		0.00 - 0.00	9.00	1	POT	BASE	SAND		
368.00	100.00	CSC		0.00 - 0.00	7.60	2	POT	BODY	DEC	SAND	WEA
368.00	100.00	CSC		0.00 - 0.00	5.10	1	POT	BODY	SAND		
368.00	100.00	CSC		0.00 - 0.00	13.30	1	POT	BODY	INCI	GROG	
368.00	100.00	CSC		0.00 - 0.00	3.90	3	SHELL	MUSSEL			
368.00	100.00	CSC		0.00 - 0.00	3.90	3	ANIM	BONE			

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...		
SITE = 23BU250									
362.00	100.00	CSC		0.00 - 0.00	135.30	31	POT	BODY	SHELL
362.00	100.00	CSC		0.00 - 0.00	3.90		POT	BODYFG	SHELL
362.00	100.00	CSC		0.00 - 0.00	2.60	1	POT	BODY	RED SHELL
362.00	100.00	CSC		0.00 - 0.00	20.00	4	POT	BODY	CRMK SAND
362.00	100.00	CSC		0.00 - 0.00	60.40	11	POT	BODY	SAND
362.00	100.00	CSC		0.00 - 0.00	10.50		POT	PEL	
362.00	100.00	CSC		0.00 - 0.00	3.00		POT	BODYFG	SAND
362.00	100.00	CSC		0.00 - 0.00	13.00	12	ANIM	BONE	
362.00	100.00	CSC		0.00 - 0.00	8.30	3	CL	FLA	DECORT CRP
362.00	100.00	CSC		0.00 - 0.00	8.40	7	CL	FLA	SFTLP CRP
362.00	100.00	CSC		0.00 - 0.00	8.70	6	CL	FLA	CRP
362.00	100.00	CSC		0.00 - 0.00	1.70	1	CL	BIFK	CRP FR
362.00	100.00	CSC		0.00 - 0.00	4.90	1	CL	BIFK	WHCRT
362.00	100.00	CSC		0.00 - 0.00	3.20	1	CL	BIFK	CRY
362.00	100.00	CSC		0.00 - 0.00	8.70	2	CL	FLA	DECORT CRY
362.00	100.00	CSC		0.00 - 0.00	40.50	12	CL	FLA	DECORT CRY
362.00	100.00	CSC		0.00 - 0.00	12.20	10	CL	FLA	CRY
362.00	100.00	CSC		0.00 - 0.00	34.60	2	CL	COBL	TESTED CRY
		CC	1	0.00 - 46.00	46.90	1	CL	CORE	CRP
		CC	1	0.00 - 46.00	1.10	1	CL	FLA	DECORT CRY
		CC	1	0.00 - 46.00	1.50	2	CL	FLA	CRY
		CC	1	0.00 - 46.00	6.30	2	POT	BODY	CRMK SAND
		CC	1	0.00 - 46.00	1.40	1	ANIM	BONE	
		CC	2	0.00 - 45.00	25.10	1	CL	CHNK	TESTED CRP
		CC	2	0.00 - 45.00	6.00	1	CL	SHAT	CRY
		CC	2	0.00 - 45.00	2.00	1	CL	FLA	CRY
		CC	2	0.00 - 45.00	1.80	1	CL	FLA	CRP
		CC	2	0.00 - 45.00	8.70	1	CL	FLA	DECORT CRY
		CC	2	0.00 - 45.00	0.30	1	CL	FLA	SFTLP CRP
		CC	2	0.00 - 45.00	4.20	1	POT	BODY	RED SHELL
		CC	2	0.00 - 45.00	68.90	2	URN	CHNK	CRP FC
		CC	3	0.00 - 84.00	2.30	2	CL	FLA	CRP
		CC	4	0.00 - 62.00	2.50	1	POT	BODY	SHELL
		GENER		0.00 - 0.00	3.40	1	ANIM	TOOTH	
		GENER		0.00 - 0.00	1.00	1	ANIM	TURTLE	
		GENER		0.00 - 0.00	11.70	4	ANIM	BONE	
		GENER		0.00 - 0.00	2.10	1	ANIM	BONE	BUR
		GENER		0.00 - 0.00	20.50	2	ANIM	BONE	
		GENER		0.00 - 0.00	146.30	19	POT	BODY	RED SHELL
		GENER		0.00 - 0.00	13.70	1	POT	RIM	RED SHELL
		GENER		0.00 - 0.00	12.20	1	POT	SHDISK	RED SHELL
		GENER		0.00 - 0.00	12.80	1	POT	RIM	ENGRAV SHELL
		GENER		0.00 - 0.00	178.50	9	POT	RIM	SHELL
		GENER		0.00 - 0.00	26.90	1	POT	RIM	SHED
		GENER		0.00 - 0.00	61.00	1	POT	PEL	
		GENER		0.00 - 0.00	25.40	1	POT	RIM	INCI SAND
		GENER		0.00 - 0.00	17.10	2	POT	BODY	SHED
		GENER		0.00 - 0.00	671.00	60	POT	BODY	SHELL
		GENER		0.00 - 0.00	6.40	1	POT	RIM	CRMK SAND
		GENER		0.00 - 0.00	49.60	14	POT	BODY	SAND
		GENER		0.00 - 0.00	206.70	19	POT	BODY	CRMK SAND
		GENER		0.00 - 0.00	9.10	1	CL	FLA	PUM CRP
		GENER		0.00 - 0.00	5.30	3	CL	FLA	SFTLP CRP
		GENER		0.00 - 0.00	2.30	1	CL	FLA	DECORT CRP
		GENER		0.00 - 0.00	3.70	2	CL	FLA	CRP
		GENER		0.00 - 0.00	3.60	1	CL	FLA	CRT

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...		
--> SITENO = 23DU290									
440.00	100.00	CSC		0.00 - 0.00	4.90	1	ANIM	BONE	
386.00	100.00	CSC		0.00 - 0.00	0.40	1	HUM	BONE	PIB

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
		SITENO = 23DU290								
		GENER		0.00 - 0.00	77.50	5	CL	FLA	DECOPT	CRY
		GENER		0.00 - 0.00	5.20	4	CL	FLA	CRY	
		GENER		0.00 - 0.00	6.10	3	CL	FLA	RUM	CRY
		GENER		0.00 - 0.00	2.30	1	CL	DART	PSHAPP	CRY
		GENER		0.00 - 0.00	15.00	3	CL	FLA	WHCRT	
		GENER		0.00 - 0.00	1.00	1	CL	BIFK	CRR	DS
		GENER		0.00 - 0.00	10.30	1	CL	BIFK	CRT	DS
		GENER		0.00 - 0.00	16.20	1	CL	BIFK	ST3	CRY
		GENER		0.00 - 0.00	16.40	1	CL	FLA	OBZ	
		GENER		0.00 - 0.00	85.10	2	CL	BIFK	ST1	CRY
		GENER		0.00 - 0.00	41.20	2	CL	BIFK	ST2	CRY
		GENER		0.00 - 0.00	36.20	1	CL	SCR	CRY	
		GENER		0.00 - 0.00	16.80	1	CL	SHAT	CRR	
		GENER		0.00 - 0.00	7.30	1	CL	SHAT	CRY	
		GENER		0.00 - 0.00	76.10	1	CL	CORE	RUM	CRY
		GENER		0.00 - 0.00	12.50	1	CL	COBL	TESTED	CRY

North	East	Unit	Unit#	Top-Depth-Btm	Wt	Ct	Acronyms ...			
--> SITENO = 19.14										
		GENER		0.00 - 0.00	19.00	1	POT	BODY	CRMK	SAND

APPENDIX B

SCOPE OF WORK

SECTION C - DESCRIPTION/SPECIFICATIONS (SCOPE OF WORK)

Archeological Intensive Survey of the Ditch 19 Extension, St. Francis Basin Project, Dunklin and Stoddard Counties, Missouri.

C-1. GENERAL.

C-1.01. The Contractor shall conduct a background and literature search and intensive survey level investigation of the Ditch 19 Extension, St. Francis Basin Project, Dunklin and Stoddard Counties, Missouri. These tasks are in partial fulfillment of the Memphis District's obligations under the National Historic Preservation Act of 1966 (P.L. 89665); the National Environment Policy Act of 1969 (P.L. 91-190); Executive Order 11593, "Protection and Enhancement of Cultural Environment," 13 May 1971 (360FR3921); Preservation of Historic and Archeological Data, 1974 (P.L. 93-291); and the Advisory Council on Historic Preservation, "Procedures for the Protection of Historic and Cultural Properties" (36 CFR 8, Part 800).

C-1.02. Personnel Standards.

a. The Contractor shall utilize a systematic, interdisciplinary approach to conducting the study. Specialized knowledge and skills will be used during the course of the study to include expertise in archeology, history, architecture, geology and other disciplines as required. Techniques and methodologies used for the study shall be representative of the state of current professional knowledge and development.

b. The following minimal experiential and academic standards shall apply to personnel involved in cultural resources investigations described in this Scope of Work:

(1) Archeological Project Directors or Principal Investigators (PI). Individuals in charge of an archaeological project or research investigation contract, in addition to meeting the appropriate standards for archaeologist, must have a publication record that demonstrates extensive experience in successful field project formulation, execution and technical monograph reporting. The Contracting Officer may also require suitable professional references to obtain estimates regarding the adequacy of prior work.

(2) Archaeologist. The minimum formal qualifications forindividuals practicing archaeology as a profession are a B.A. or B.S. degree from an accredited college or university, followed by a minimum of two years of successful graduate study with concentration in anthropology and specialization in archeology and at least two summer field schools or their equivalent under the supervision of archeologists or recognized competence. A Master's thesis or its equivalent in research and publication is highly recommended, as is the M.A. degree.

(3) Other Professional Personnel. All non-archeological personnel utilized for their special knowledge and expertise must have a B.A. or B.S. degree from an accredited college or university, followed by a minimum of one year of successful graduate study with concentration in appropriate study.

(4) Other Supervisory Personnel. Persons in any archeological supervisory position must hold a B.A., B.S. or M.A. degree with a concentration in archeology and a minimum of 2 years of field and laboratory experience

(5) Crew Members and Lab Workers. All crew members and lab workers must have prior experience compatible with the tasks to be performed under this contract. An academic background in archeology/anthropology is highly recommended.

c. All operations shall be conducted under the supervision of qualified professionals in the discipline appropriate to the data that is to be discovered, described or analyzed. Vitae of personnel involved in project activities may be required by the Contracting Officer at anytime during the period of service of this contract.

C-1.03. The Contractor shall designate in writing the name of the Principal Investigator. Participation time of the Principal Investigator shall average a minimum of 50 hours per month during the period of service of this contract. In the event of controversy or court challenge, the Principal Investigator shall be available to testify with respect to report findings. The additional services and expenses would be at Government expense, per paragraph 1.08 below.

C-1.04. The Contractor shall keep standard field records which will include, but are not limited to, field notebooks, state approved site forms, (prehistoric, historic, architectural), field data forms and graphics and photographs. Publishable quality site maps with precise boundaries and proposed impact boundaries will be submitted for each site.

C-1.05. To conduct the field investigation, the Contractor will obtain all necessary permits, licenses, and approvals from all local, state and Federal authorities. Should it become necessary in the performance of the work and services of the Contractor to secure the right of ingress and egress to perform any of the work required herein on properties not owned or controlled by the Government, the Contractor shall secure the consent of the owner, his representative, or agent, prior to effecting entry on such property.

C-1.06. Innovative approaches to data location, collection, description and analysis, consistent with other provisions of this purchase order and the Cultural Resources requirements of the Memphis District, are encouraged. Such approaches will require prior consultation with the Contracting Officer and/or his authorized representative.

C-1.07. No mechanical power equipment shall be utilized in any cultural resource activity without specific written permission of the Contracting Officer.

C-1.08. Techniques and methodologies used during the mitigation shall be representative of the current state of knowledge for their respective disciplines.

C-1.09. The Contractor shall furnish expert personnel to attend conferences and furnish testimony in any judicial proceedings involving the archaeological and historical study, evaluation, analysis and report. When required, arrangements for these services and payment therefor will be made by representatives of either the Corps of Engineers or the Department of Justice.

C-1.10. The Contractor shall supply such graphic aids (ex: profile and plan drawings) or tables as are necessary to provide a ready and clear understanding of spatial relationships or other data discussed in the text of the report. Such tables or figures shall appear as appropriate in the body of the report.

C-1.11. The Contractor, prior to the acceptance of the final report, shall not release any sketch, photograph, report or other material of any nature obtained or prepared under this contract without specific written approval of the Contracting Officer.

C-1.12. The extent and character of the work to be accomplished by the Contractor shall be subject to the general supervision, direction, control and approval of the Contracting Officer. The Contracting Officer may have a representative of the Government present during any or all phases of the described cultural resource project.

C-2. STUDY AREA.

C-2.01. The Ditch No. 19 Extension Project is in Dunklin and Stoddard Counties near Malden, Missouri. The work will begin at the limits of Ditch No. 19, Item 2, Parcel 3 (Sta. 1544+00) just upstream of the junction of Ditch No. 19 and Lateral No. 1 extending upstream about 6 miles to 200 feet upstream of the Dunklin Co.-Stoddard Co. line; on Lateral No. 1 from the junction with Dtich No. 19 extending upstream about 2.6 miles to 200 feet upstream of the county road and 200 feet upstream and downstream of county road bridge crossing on Ditch No 29 Extension located about 1.1 miles upstream of Dunklin Co.-Stoddard Co. line. See attached map. The survey is 200 feet on both sides of the ditches.

C-2.02. A second area of survey is as follows:

Beginning at the Southwest corner of the SE 1/4 of NE 1/4 of Section 13,
Thence, North 1,320.0 feet along the west line of said SE 1/4 of NE 1/4 to a point on north line of said SE 1/4 of NE 1/4;

Thence, east 400.0 feet along said north line to a point on the centerline of main ditch,

Thence downstream along said centerline approximately 1,500.0 feet to a point on the 1/2 section line of Section 13,

Thence, west 1,150.0 feet along said 1/2 section line to point of beginning and containing 25.50 acres, more or less.

C-3. DEFINITIONS.

C-3.01. "Cultural Resources" are defined to include any buildings, site, district, structure, object, data, or other material relating to the history, architecture, archeology, or culture of an area.

C-3.02. "Background and Literature Search" is defined as a comprehensive examination of existing literature and records for the purpose of inferring the potential presence and character of cultural resources in the study area. The examination may also serve as collateral information to field data in evaluating the eligibility of cultural resources for inclusion in the National Register of Historic Places or in ameliorating losses of significant data in such resources.

C-3.03. "Intensive Survey" is defined as a comprehensive, systematic, and detailed on-the-ground survey of an area, of sufficient intensity to determine the number, types, extent and distribution of cultural resources present and their relationship to project features.

C-3.04. "Mitigation" is defined as the amelioration of losses of significant prehistoric, historic, or architectural resources which will be accomplished through preplanned actions to avoid, preserve, protect, or minimize adverse effect upon such resources or to recover a representative sample of the data they contain by implementation of scientific research and other professional techniques and procedures. Mitigation of losses of cultural resources includes, but is not limited to, such measures as: (1) recovery and preservation of an adequate sample of archaeological data to allow for analysis and published interpretation of the cultural and environmental conditions prevailing at the time(s) the area was utilized by man; (2) recording, through architectural quality photographs and/or measured drawings of buildings, structures, districts, sites and objects and deposition of such documentation in the Library of Congress as a part of the National Architectural and Engineering Record; (3) relocation of buildings, structures and objects; (4) modification of plans or authorized projects to provide for preservation of resources in place; (5) reduction or elimination of impacts by engineering solutions to avoid mechanical effects of wave wash, scour, sedimentation and related processes and the effects of saturation.

C-3.05. "Reconnaissance" is defined as an on-the-ground examination of selected portions of the study area, and related analysis adequate to assess the general nature of resources in the overall study area and the probable impact on resources of alternate plans under consideration. Normally

reconnaissance will involve the intensive examination of not more than 15 percent of the total proposed impact area.

C-3.06. "Significance" is attributable to those cultural resources of historical, architeccural, or archaeological value when such properties are included in or have been determined by the Secretary of the Interior to be eligible for inclusion in the National Register of Historic Places after evaluation against the criteria contained in How to Complete National Register Forms.

C-3.07. "Testing" is defined as the systematic removal of the scientific, prehistoric, historic, and/or archaeological data that provide an archaeological or architectural property with its research data value. Testing may include controlled surface survey, shovel testing, profiling, and limited subsurface test excavations of the properties to be affected for purposes of research planning, the development of specific plans for research activities, excavation, the development of specific plans for research activities, preparation of notes and records, and other forms of physical removal of data and the material analysis of such data and material, preparation of reports on such data and material and dissemination of reports and other products of the research. Subsurface testing shall not proceed to the level of mitigation.

C-3.08. "Analysis" is the systematic examination of material data, environmental data, ethnographic data, written records, or other data which may be prerequisite to adequately evaluating those qualities of cultural loci which contribute to their significance.

C-4. GENERAL PERFORMANCE SPECIFICATIONS.

C-4.01. Research Design.

Survey and testing will be conducted within the framework of a regional research design including, where appropriate, questions discussed in the State Plan (if one exists). All typological units not generated in these investigations, shall be adequately referenced. It should be noted that artifactural typologies constructed for other areas may or may not be suitable for use in the study area. It is, therefore, of great importance that considerable effort be spent in recording and describing artifactural characteristics treated as diagnostic in this study as well as explicit reasons for assigning (or not assigning) specific artifacts to various classificatory units.

C-4.02. Background and Literature Search.

a. This task shall include an examination of the historic and prehistoric environmental setting and cultural background of the study area and shall be of sufficient magnitude to achieve a detailed understanding of the overall cultural and environmental context of the study area. It is

axiomatic that the background and literature search shall normally preceed the initiation of all fieldwork.

b. Information and data for the literature search shall be obtained, as appropriate, from the following sources: (1) Scholarly reports - books, journals, theses, dissertations and unpublished papers; (2) Official Records Federal, state, county and local levels, property deeds, public works and other regulatory department records and maps; (3) Libraries and Museums - both regional and local libraries, historical societies, universities, and museums; (4) other repositories - such as private collections, papers, photographs, etc.; (5) archeological site files at local universities, the State Historic Preservation Office, the State Archeologist; (6) Consultation with qualified professionals familiar with the cultural resources in the area, as well as consultation with professionals in associated areas such as history, sedimentology, geomorphology, agronomy, and ethnology.

c. The Contractor shall include as an appendix to the draft and final reports written evidence of all consultation and any subsequent response(s), including the dates of such consultation and communications.

d. The background and literature search shall be performed in such a manner as to facilitate predictive statements (to be included in the study report) concerning the probable quantity, character, and distribution of cultural resources within the project area. In addition, information obtained in the background and literature search should be of such scope and detail as to serve as an adequate data base for subsequent field work and analysis in the study area undertaken for the purpose of discerning the character, distribution and significance of identified cultural resources.

e. In order to accomplish the objectives described in paragraph 4.02.d., it will be necessary to attempt to establish a relationship between landforms and the patterns of their utilization by successive groups of human inhabitants. This task should involve defining and describing various zones of the study area with specific reference to such variables as past topography, potential food resources, soils, geology, and river channel history.

C-4.03. Intensive Survey.

a. Intensive Survey shall include the on-the-ground examination of the project areas described in paragraph C-2.01 sufficiently to insure the location and preliminary evaluation of all cultural resources in the study area and to fulfill report requirements described for intensive survey in paragraph C-5.03j. Survey transects shall be a maximum of 30 meters wide.

b. Unless excellent ground visibility and other conditions conducive to the observation of cultural evidence occurs, shovel test pits, or comparable subsurface excavation units, shall be installed at intervals no greater than 30 meters throughout the study area. Shovel test pits shall be minimally 30 X 30 centimeters in size and extend to a minimum depth of 50 centimeters. All such units shall be screened using 1/4" mesh hardware cloth. Additional

shovel test pits shall be excavated in areas judged by the Principal Investigator to display a high potential for the presence of cultural resources. If, during the course of intensive survey activities, areas are encountered in which disturbance or other factors clearly and decisively preclude the possible presence of significant cultural resources, the Contractor shall carefully examine and document the nature and extent of the factors and then proceed with survey activities in the remainder of the study area. Documentation and justification of such action shall appear in the survey report. The location of all shovel test units and surface observations shall be recorded and appear in the draft and final reports.

c. When cultural remains are encountered, horizontal site boundaries shall be derived by appropriate archaeological methods in such a manner as to allow precise location of site boundaries on Government project drawings and 7.5 minute U.S.G.S. quad maps when available. Methods used to establish site boundaries shall be discussed in the survey report together with the probable accuracy of the boundaries. The Contractor shall establish a datum at the discovered cultural loci which shall be precisely related to the site boundaries as well as to a permanent reference point (in terms of azimuth and distance). If possible, the permanent reference point used shall appear on Government blueline (project) drawings and/or 7.5 minute U.S.G.S, quad maps. If no permanent landmark is available, a permanent datum shall be established in a secure location for use as a reference point. The permanent datum shall be precisely plotted and shown on U.S.G.S. quad maps and project drawings. All descriptions of site location shall refer to the location of the primary site datum.

d. The Contractor shall examine all cultural resources encountered in the intensive survey sufficiently well to determine the approximate size, general nature and quantity of architectural or site surface data. Data collection shall be of sufficient scope to provide information requested on state site forms.

e. During the course of the intensive survey, the Contractor should observe and record local environmental, physiographic, geological or other variables (including estimates of ground visibility and descriptions of soil characteristics) which may be useful in evaluating the effectiveness of survey procedures and providing comparative data for use in predictive statements which may be utilized in future Government cultural resource investigations.

f. When sites are not wholly contained within the right-of-way limits, the Contractor shall survey an area outside the right-of-way limits large enough to include the entire site within the survey area. This shall be done in an effort to delineate site boundaries and to determine the degree to which the site will be impacted.

g. All standing buildings and structures (other than those patently modern, I.E., less than 50 years old) shall be recorded and described. For a building to be considered "standing" it must retain four walls and at least a

skeletal roof structure. A building or structure found in the field to be partially or totally collapsed will be considered an archeological site. In these cases, data concerning construction materials and techniques and floor plan, if discernible, must be collected. The Contractor shall supply preliminary information concerning the suitability of a structure or building for relocation and restoration (structural soundness for example).

h. Site Specific Investigations. All cultural resources discovered within survey area shall be examined by methods consistent with the following requirements:

(1) Site Boundaries.

Horizontal site boundaries shall be derived by the use of surface observation procedures (where surface conditions are highly conducive to the observation of cultural evidence) or by screened shovel cut units or by a combination of these methods. The delineations of horizontal sites boundaries may be accomplished concurrently with the collection of other data consistent with paragraph 4.03g.(2). Site boundaries shall be related to a site datum and permanent reference point as described in paragraph 4.03c.

(2) Surface Data Retrieval.

Surface collection of the site area shall be accomplished in order to obtain data representative of total site surface content. Both historic and prehistoric items shall be collected. The Contractor shall carefully note and record descriptions of surface conditions of the site including ground cover and the suitability of soil surfaces for detecting cultural items (ex: recent rainfall, standing water or mud). If ground surfaces are not highly conducive to surface collection, screened shovel test units shall be used to augment surface collection procedures. It should be noted, however, that such units should be substituted for total surface collection only where the presence of groundcover requires such techniques.

Care should be taken to avoid bias in collecting certain classes of data or artifact types to the exclusion of others (ex: debitage or faunal remains) so as to insure that collections accurately reflect both the full range and the relative proportions of data classes present (ex: the proportion of debitage to implements or types of implements to each other). such a collecting strategy shall require the total collection of quadrat or other sample units in sufficient quantities to reasonably assure that sample data are representative of such discrete site subareas as may exist. Since the number and placement of such sample units will depend, in part, on the subjective evaluation of intrasite variability, and the amount of ground cover, the Contractor shall describe, in the reconnaissance report, the rational for the number and distribution of collection units. In the event that the Contractor utilizes systematic sampling procedures in obtaining representative surface samples, care should be taken to avoid periodicity in recovered data. No individual sample unit type used in surface data collection shall exceed 36 square meters in area. Unless a smaller fraction

is approved by the Contracting Officer, surface collected areas shall constitute no less than 25 percent of total site areas. Detailed results of controlled surface collections shall be graphically depicted in plan view in the report of investigations.

The Contractor shall undertake (in addition and subsequent to sample surface collecting) a general site collection in order to increase the sample size of certain classes of data which the Principal Investigator may deem prerequisite to an adequate site-specific and intersite evaluation of data.

As an alternative to surface collecting procedures discussed above, where surface visability is excellent, the Contractor may collect all visable artifacts. If such a procedure is undertaken, the precise proveniences of all individual artifacts shall be related to the primary site datum by means of a transit level.

(3) Subsurface Data Retrieval.

Unless it can be conclusively and definitely demonstrated that no significant subsurface cultural resources occur at a site, the Contractor shall install a minimum of one 1 X 1 meter subsurface test unit to determine the presence and general nature of subsurface deposits.

h. Subsurface test units (other than shovel cut units) shall be excavated in levels no greater than 10 centimeters. Where cultural zonation or plow disturbance is present, however, excavated materials shall be removed by zones (and 10 cm. levels within zones where possible). Subsurface test units shall extend to a depth of at least 20 centimeters below artifact bearing soils. A portion of each test unit, measured from one corner (of a minimum 30 X 30 centimeters), shall be excavated to a depth of 40 centimeters below artifact bearing soils. All excavated material (including plow zone material) shall be screened using a minimum of 1/4" hardware cloth. Representative profile drawings shall be made of excavated unit. Subsequent to preparation of profile drawings for each test unit, the unit shall be backfilled and compacted to provide reasonable pedestrian safety.

i. Stringent horizontal spatial control of site specific investigations will be maintained by relating the location of all collection and test units to the primary site datum either by means of a grid system (including those used in controlled surface collection) or by azimuth and distance.

j. Other types of subsurface units may, at the Contractor's option, be utilized in addition to those units required by this Scope of Work.

k. Subsurface investigations will be limited to testing and shall not proceed to the level of mitigation.

l. All test units excavated shall be backfilled by the Contractor.

m. Cultural Resource Recording and Numbering. For each archeological site or architectural property recorded during the survey, the Contractor shall complete and submit the standard Missouri Archeological site or architectural property survey form, respectively. The Contractor shall be responsible for reproducing or obtaining a sufficient quantity of these forms to meet the needs of the project. The Contractor shall be responsible for coordinating with the appropriate state agency to obtain state site-file numbers for each archeological site and architectural property recorded.

C-4.04. Additional Investigations.

(1) Additional subsurface test units may be required at many loci. The proposed number and distribution of such test units shall be recommended by the Principal Investigator on a site specific basis. This recommendation shall be made based on such variables as site size and potential intrasite variability, including, physiographic and geomorphic characteristics of the loci which may suggest variability in the presence or distribution of subsurface cultural deposits. The Contractor shall detail the rationale(s) for the placement and numbers of proposed test units in the management summary and report of field activities. Additional reporting requirements, examination of background literature and examination of standing buildings and structures may also be required at some sites. The exact nature of additional examination, the schedule, and the price of the work shall be negotiated with the Contracting Officer, and if an agreement is reached, a Change Order shall be issued prior to conduct of the work. Additional investigations will provide a data base of sufficient nature to allow determination of site eligibility to the National Register of Historic Places consistent with C-5.3.j.12) and (3) of this Scope of Work.

(2) In order to accurately relate a site to research domains, (i.e. assess significance or insignificance), a variety of data gathering techniques may be required to ensure recovery of the various types of data which may be present at the site. These techniques may include radiocarbon dating, flotation and excavation of cultural features. When appropriate, these types of data gathering activities should be integral elements of the testing strategy.

C-4.05. Laboratory Processing, Analysis, and Preservation.

All cultural materials recovered will be cleaned and stored in deterioration resistant containers suitable for long term curation. Diagnostic artifacts wil be labeled and catalogued individually. A diagnostic artifact is defined herein as any object which contributes individually to the needs of analysis required by this Scope of Work or the research design. All other artifacts recovered must minimally be placed in labeled, deterioration resistant containers, and the items catalogued. The Contractor shall describe and analyze all cultural materials recovered in accordance with current professional standards. Artifactural and non-artifactural

analysis shall be of an adequate level and nature to fulfill the requirements of this Scope of Work. All recovered cultural items shall be catalogued in a manner consistent with Arkansas state requirements. The Contractor shall consult with appropriate state officials as soon as possible following the conclusion of field work in order to obtain information (ex: accession numbers) prerequisite to such cataloging procedures.

C-4.06. Curation.

Efforts to ensure the permanent curation of properly cataloged cultural resources materials and project documentation in an appropriate institution shall be considered an integral part of the requirements of this Scope of Work. The Contractor shall pay all costs of the preparation and permanent curation of records and artifacts. An arrangement for curation shall be confirmed by the Contractor, subject to the approval of the Contracting Officer, prior to the acceptance of the final report.

C-5. GENERAL REPORT REQUIREMENTS.

C-5.01. The primary purpose of the cultural resources report is to serve as a planning tool which aids the Government in meeting its obligations to preserve and protect our cultural heritage. The report will be in the form of a comprehensive, scholarly document that not only fulfills mandated legal requirements but also serves as a scientific reference for future cultural resources studies. As such, the report's content must be not only descriptive but also analytic in nature.

C-5.02 Upon completion of all field investigation and research, the Contractor shall prepare reports detailing the work accomplished, the results, the recommendations, and appropriate alternative mitigation measures, when required, for each project area. The format suggested by Guidelines for Contract Cultural Resource Survey Reports and Professional Qualifications as prepared by the Missouri Department of Natural Resources should be reviewed and, to the extent allowed by this Scope of Work utilized as an aid in preparing the required report.

C-5.03. The report shall include, but not necessarily be limited to, the following sections and items:

a. Title Page. The title page should provide the following information; the type of task undertaken, the cultural resources which were assessed (archeological, historical, architectural); the project name and location (county and state), the date of the report; the Contractor's name; the contract number; the name of the author(s) and/or the Principal Investigator; and the agency for which the report is being prepared.

b. Abstract. The abstract should include a summary of the number and types of resources which were surveyed, results of activities and the recommendations of the Principal Investigator.

c. Table of Contents.

d. Introduction. This section shall include the purpose of the report; a description of the proposed project; a map of the general area; a project map; and the dates during which the task was conducted. The introduction shall also contain the name of the institution where recovered materials will be curated.

e. Environmental Context. This section shall contain, but not be limited to, a discussion of probable past floral and faunal characteristics of the project area. Since data in this section may be used in the future evaluation of specific cultural resource significance, it is imperative that the quantity and quality of environmental data be sufficient to allow subsequent detailed analysis of the relationship between past cultural activities and environmental variables.

f. Previous Research. This section shall describe previous research which may be useful in deriving or interpreting relevant background research data, problem domains, or research questions and in providing a context in which to examine the probability of occurrence and significance of cultural resources in the study area.

g. Literature Search and Personal Interviews. This section shall discuss the results of the literature search, including specific data sources, and personal interviews which were conducted during the course of investigations.

h. Survey, Testing and Analytical Methods. This section shall contain an explicit discussion of research and/or survey strategy, and should demonstrate how environmental data, previous research data, the literature search and personal interviews have been utilized in constructing such a strategy.

i. Survey, Testing and Analytical Results. This section shall discuss archeological, architectural, and historical resources surveyed, tested and analyzed; the nature and results of analysis, and the scientific importance or significance of the work. Quantified listings and descriptions of artifacts and their proveniences may be included in this section or added to the report as an appendix. Inventoried sites shall include a site number.

j. Recommendations.

(1) This section should contain, where possible, assessments of the eligibility of specific cultural properties in the study area for inclusion in the National Register of Historic Places.

(2) Significance should be discussed explicitly in terms of previous regional and local research and relevant problem domains. Statements concerning significance shall contain a detailed, well-reasoned argument for the property's research potential in contributing to the understanding of

cultural patterns, processes or activities important to the history or prehistory of the locality, region or nation, or other criteria of significance. Conclusions concerning insignificance likewise, shall be fuly documented and contain detailed and well-reasoned arguments as to why the property fails to display adequate research potential or other characteristics adequate to meet National Register criteria of significance. For example, conclusions concerning significance or insignificance relating solely to the lack of contextural integrity due to plow disturbance or the lack of subsurface deposits will be considered inadequate. Where appropriate, due consideration should be given to the data potential of such variables as site functional characteristics, horizontal inetersite or intrasite spatial patterning of data and the importance of the iste as a representative systemic element in the patterning of human behavior. All report conclusions and recommendations shall be logically and explicitly derived from data discussed in the report.

(3) The significance or insignificance of cultural resources can be determined adequately only within the context of the most recent available local and regional data base. Consequently the evaluation of specific individual cultural loci examined during the course of contract activities shall relate these resources not only to previously known cultural data but also to a synthesized interrelated corpus of data including those data generated in the present study.

(4) Where appropriate, the Contractor shall provide alternative mitigation measures for significant resources which will be adversely impacted. Data will be provided to support the need for mitigat on and the relative merits of each mitigation design wil be discussed. Preservation of significant cultural resources is nearly always considered preferable to recovery of data through excavation. When a significant site can be preserved for an amount reasonably comparable to, or less than the amount required to recover the data, full consideration shall be given to this course of action.

k. References (American Antiquity Style).

l. Appendices (Maps, correspondence, etc.). A copy of this Scope of Work shall be included as an appendix in all reports.

C-5.04. The above items do not necessarily have to be discrete sections; however, they should be readily discernible to the reader. The detail of the above items may vary somewhat with the purpose and nature of the study.

C-5.05. In order to prevent potential damage to cultural resources, no information shall appear in the body of the report which would reveal precise resource location. All maps which indicate or imply precise site locations shall be included in reports as a readily removable appendix (ex: envelope).

C-5.06. No logo or other such organizational designation shall appear i· any part of the report (including tables or figures) other than the title page.

C-5.07. Unless specifically authorized by the Contracting Officer, all reports shall utilize permanent site numbers assigned by the state in which the study

C-5.08. All appropriate information (including typologies and other classificatory units) not generated in these contract activities shall be suitably referenced.

C-5.09. Reports detailing testing activities shall contain site specific maps. Site maps shall indicate site datum(s), location of data collection units (including shovel cuts, subsurface test units and surface collection units); site boundaries in relation to proposed project activities, site grid systems (where appropriate) and such other items as the Contractor may deem appropriate to the purposes of this contract.

C-5.10. Information shall be presented in textual, tabular, and graphic forms, whichever are most appropriate, effective and advantageous to communicate necessary information. All tables, figures and maps appearing in the report shall be of publishable quality.

C-5.11. Any abbreviated phrases used in the text shall be spelled out when the phrase first occurs in the text. For example use "State Historic Preservation Officer (SHPO)" in the initial reference and thereafter "SHPO" may be used.

C-5.12. The first time the common name of a biological species is used it should be followed by the scientific name.

C-5.13. In addition to street addresses or property names, sites shall be located on the Universal Transverse Mercator (UTM) grid.

C-5.14. All measurements should be metric. If the Contractor's equipment is in the English system, then the metric equivalents should follow in parentheses.

C-5.15. As appropriate, diagnostic and/or unique artifacts, cultural resources or their contexts shall be shown by drawings or photographs.

C-5.16 Black and white photographs are preferred except when color changes are important for understanding the data being presented. No instant type photographs may be used.

C-5.17. Negatives of all black and white photographs and/or color slides of all plates included in the final report shall be submitted so that copies for distribution can be made.

C-6. SUBMITTALS.

C-6.01. The Contractor shall, unless delayed due to causes beyond his fault or negligence, complete all work and services under the purchase order within the following time limitations after receipt of notice to proceed.

a. An extensive management summary shall be submitted, in accordance with the schedule in paragraph C-7.01, to the Contracting Officer within 14 days of the completion of survey and initial testing. The management summary shall describe survey and initial testing methods and the data yielded by those methods. Where survey data, initial testing data and other sources of data are adequate, the Contractor shall evaluate cultural resources identified during survey activities in terms of eligibility for inclusion in the National Register of Historic Places. The evaluation shall be consistent with requirements in paragraph C-5.3.j. of this Scope of Work. Where inadequate data exist for such an evaluation, the Contractor shall recommend specific additional studies, as described in paragraph C-4.08 of this Scope of Work, necessary to obtain adequate data for such National Register evaluation. The management summary shall include project maps showing boundaries of discovered cultural resources relative to project rights-of- way. The management summary shall also contain recommendations, based on geomorphic and other data, concerning the need for deep cultural resources testing and the type, numbers and locations of needed deep test units.

b. Four (4) copies of the draft report will be submitted within 95 calendar days following receipt of notice to proceed.

c. The Government shall review the draft report and provide comments to the Contractor within 40 calendar days after receipt of the Government's comments on the draft report.

d. An unbound original and 25 bound copies of the final report shall be submitted within 47 calendar days following the Contractor's receipt of the Government's comments on the draft report.

C-6.02. If the Government review exceeds 40 calendar days, the period of service of the purchase order shall be extended on a day-by-day basis equal to any additional time required by the Government for review.

C-6.03. The Contractor shall submit under separate cover 5 copies of appropriate 15' quadrangle maps (7.5' when available) and other site drawings which show exact boundaries of all cultural resources within the project area and their relationship to project features, and single copies of all forms, records and photographs described in paragraph 1.04.

C-6.04. The Contractor shall submit to the Contracting Officer completed National Register forms including photographs, maps, and drawings in accordance with the National Register Program if any sites inventoried during the survey are found to meet the criteria of eligibility for nomination and

for determination of significance. The completed National Register forms are to be submitted with the final report.

C-6.05. At any time during the period of service of this contract, upon the written request of the Contracting Officer, the Contractor shall submit, within 30 calendar days, any portion or all field records described in paragraph 1.04 without additional cost to the Government.

C-6.06. When cultural resources are located during intensive survey activities, the Contractor shall supply the appropriate State Historic Preservation Office with completed site forms, survey report summary sheets, maps or other forms as appropriate. Blank forms may be obtained from the State Historic Preservation Office. Copies of such completed forms and maps shall be submitted to the Contracting Officer within 30 calendar days of the end of fieldwork.

C-6.07. The Contractor shall prepare and submit with the final report, a site card for each identified resource or aggregate resource. These site cards do not replace state approved prehistoric, historic, or architectural forms or Contractor designed forms. This site card shall contain the following information, to the degrees permitted by the type of study authorized:

a. site number

b. site name

c. location: section, township, and UTM coordinates (for procedures in determining UTM coordinates refer to How to Complete National Register Forms, National Register Program, Volume 2.

d. county and state

e. quad maps

f. date of record

g. description of site

h. condition of site

i. test excavation results

j. typical artifacts

k. chronological position (if known)

l. relation to project

m. previous studies and present contract number

n. additional remarks

C-7. SCHEDULE.

C-7.01. The Contractor shall, unless delayed due to causes beyond his control and without his fault or negligence, complete all work and services under this contract within the following time limitations.

Activity	Due Date (Beginning with acknowledged date of receipt of notice to proceed)
Begin Intensive Survey of the Ditch 19 Extension Project, Dunklin County, Missouri	8 calendar days
Submittal of Management Summary Letter	46 calendar days
Submittal of Draft Report	95 calendar days
Government Review of Draft Reports	135 calendar days
Contractor's Submittal of Final Reports	182 calendar days

C-7.02. The Contractor shall make any required corrections after review by the Contracting Officer of the reports. In the event that any of the Government review periods are exceeded and upon request of the Contractor, the contract period will be extended on a calendar day for day basis. The Contracting Officer may defer Government review comments pending receipt of review comments from the State Historic Preservation Officer or other reviewing agencies. More than one series of draft report corrections may be required. Such extension shall be granted at no additional cost to the Government.