

**APPENDIX III**

**CHARCOAL IDENTIFICATION FOR THE LEIPSIC RIVER AREA**

by Lucinda McWeeny

<b>Site Name</b>	Leipsc River Area - 7K-A-194A	<b>Date</b> ca. 3000 B.P.
<b>Context</b>	Feature 16	
<b>Specimen #</b>	01	<b>Size</b> 4x3x6 mm
<b>ID</b>	Quercus sp., oak, Erythrobalanus group	
<b>Comments</b>	Erythrobalanus Group is the red oak group which includes Q. rubra L., northern red oak; Q. velutina Lam., black oak; Q shumardii Buckl., shumard oak; Q. coccinea Muenchh., scarlet oak; Q. palustris Muenchh., pin oak; etc.	
<b>Specimen #</b>	02	<b>Size</b> 2x4x5 mm
<b>ID</b>	Quercus sp.	
<b>Specimen #</b>	03	<b>Size</b> <4 mm
<b>ID</b>	Quercus sp.	
<b>Specimen #</b>	04	<b>Size</b> 3x1.5x5 mm
<b>ID</b>	Quercus sp.	
<b>Specimen #</b>	05	<b>Size</b> 4x2x5 mm
<b>ID</b>	Quercus sp.	
<b>Specimen #</b>	06	<b>Size</b> <5 mm
<b>ID</b>	Carya sp.	
<b>Specimen #</b>	07	<b>Size</b> 3x2x3 mm
<b>ID</b>	Unidentifiable angiosperm	
<b>Comments</b>	Ring-porous structure but may be a twing and has not developed recognizable structural pattern.	
<b>Specimen #</b>	08	<b>Size</b> 4x2x4 mm
<b>ID</b>	Quercus sp.	
<b>Comments</b>	Twisted growth, mineralized.	
<b>Specimen #</b>	09	<b>Size</b> 2x2x5 mm
<b>ID</b>	Quercus sp.	
<b>Specimen #</b>	10	<b>Size</b> 3x2x5 mm
<b>ID</b>	Quercus sp.	
<b>Comments</b>	A quick look at the remaining aprox. 45 specimens of charcoal, <5 mm suggests angiosperm, no conifer.	
<b>Specimen #</b>	10a	<b>Size</b> <5 mm
<b>ID</b>	Nut shell, cf. Carya ap.	
<b>Comments</b>	At least half of the sample sent for ID was nut shell.	

Site Name Leipsic River Area - 7K-A-194A  
 Context TU46 Level 2 Date ca. 3000 B.P.

Specimen # ID Comments	01 Quercus sp., oak Late wood section with large ray. Alot of cell wall deterioration, flow of walls.	Size 9x5x2 mm
Specimen # ID Comments	02 Quercus sp., oak, Erythrobalanus group Erythrobalanus group, the red oak group includes Q. rubra L. Northern red oak; Q velutina Lam., black oak; W. shumardii Buckl., Shumard oak; Q. coccinea Muenchh., scarlet oak; Q. palustris Muenchh., pin oak; etc.	Size
Specimen # ID	03 Nut shell, cf. Carya sp.	Size <10 mm
Specimen # ID	04 Nut shell, cf. Carya sp.	Size <10 mm
Specimen # ID Comments	05 Possible late wood of Quercus sp. Pervasive cell wall deterioration.	Size <10 mm
Specimen # ID Comments	06 Angiosperm Pervasive cell wall and ray deterioration.	Size 5x2x2 mm
Specimen # ID Comments	07 Unidentifiable Vitrified appearance, possible nut shell.	Size <10 mm
Specimen # ID Comments	08 Unidentifiable Similar to 7.	Size <10 mm
Specimen # ID Comments	09 Quercus sp., oak, Erythrobalanus group. Ring-porous with smoke-like late wood pattern.	Size <10 mm
Specimen # ID	10 Nut shell	Size <10 mm
Specimen # ID	10a Quercus sp., oak, Erythrobalanus group.	Size <10 mm
Specimen # ID	11 Nut shell, cf. Carya sp.	Size <10 mm
Specimen # ID Comments	12 Angiosperm, poss. Quercus sp. Too small to confirm ID, extensive ligninization has taken place.	Size <10 mm

**Site Name** Leipsic River Area - 7K-A-194A  
**Context** TU46 Level 3 **Date** ca. 3000 B.P.

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**Specimen #** 01 **Size** <5 mm  
**ID** Angiosperm  
**Comments** Extensive ligninization has obliterated cell structure.

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**Specimen #** 02 **Size** <5 mm  
**ID** Nut shell, cf. *Carya* sp.

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**Specimen #** 03 **Size** <2 mm  
**ID** Unidentifiable angiosperm

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**Specimen #** 04 **Size** <5 mm  
**ID** Nut shell

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**Specimen #** 05 **Size** <5 mm  
**ID** *Carya* sp., true hickory or pecan hickory  
**Comments** Distinct wavy bands of parenchyma, but specimen is too small to verify parenchyma in early (Spring) wood section which can differentiate between the two groups.

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**Specimen #** 06 **Size** <5 mm  
**ID** Unidentifiable angiosperm  
**Comments** Too small, deteriorated and ligninized.