

**APPENDIX B**

**Wetland Determination Sheets**

**ROUTINE WETLAND DETERMINATION DATA FORM**

Project Site: ODOT: U.S. 70 Date: 5/5/04  
 Applicant/Owner: \_\_\_\_\_ County: McCurtain  
 Investigator: T.Gwaltney, L.Nichols, R.T. Hutson State: Oklahoma

Do Normal Circumstances exist on the site?  Yes  No Community ID: Juncus-Rubus wetland  
 Is the site significantly disturbed (Atypical Situation)?  Yes  No Transect ID: \_\_\_\_\_  
 Is the area a potential Problem Area?  Yes  No Plot ID: Crossing 6 (Alternative 2)  
 (If needed, explain on reverse.)

**VEGETATION**

Dominant Plant Species	Indicator	Stratum	Dominant Plant Species	Indicator	Stratum
1. <u>Juncus effusus</u>	<u>OBL</u>	<u>Herb</u>	9. _____	_____	_____
2. <u>Rubus trivialis</u>	<u>FAC</u>	<u>Herb/WV</u>	10. _____	_____	_____
3. <u>Carex lupulina</u>	<u>OBL</u>	<u>Herb</u>	11. _____	_____	_____
4. <u>Lonicera japonica</u>	<u>FAC</u>	<u>Herb</u>	12. _____	_____	_____
5. <u>Liquidamber styraciflua</u>	<u>FAC</u>	<u>Tree</u>	13. _____	_____	_____
6. <u>Ulmus americana</u>	<u>FAC</u>	<u>Tree</u>	14. _____	_____	_____
7. <u>Quercus phellos</u>	<u>FAC+</u>	<u>Tree</u>	15. _____	_____	_____
8. <u>Quercus nigra</u>	<u>FACW</u>	<u>Tree</u>	16. _____	_____	_____

Percent of Dominant Species that are OBL, FACW, or FAC (excluding FAC-):  $8/8 = 100\%$   
 Remarks: \_\_\_\_\_

**HYDROLOGY**

Recorded Data Available (Describe in Remarks):  
 Aerial Photographs  
 Other  
 No Recorded Data Available

Field Observations:  
 Depth of Surface Water: 0 to 2 (in.)  
 Depth to Free Water in Pit: None to 12 (in.)  
 Depth to Saturated Soil: 1 to 2 (in.)

Remarks: Few iron concretions, approximately, 3 millimeters, in size were observed at depths greater than 12 centimeters.

Wetland Hydrology Indicators:  
 Primary Indicators:  
 Inundated  
 Saturated in Upper 12 inches  
 Water Marks  
 Drift Lines  
 Sediment Deposits  
 Drainage Patterns in Wetlands  
 Secondary Indicators (2 or more required):  
 Oxidized Root Channels in Upper 12 inches  
 Water-Stained Leaves  
 Local Soil Survey Data  
 FAC-Neutral Test 2:1  
 Other (Explain in Remarks)

**SOILS**

Map Unit Name: Guyton Series & Phase: Silt loam Drainage Class: Poorly drained  
 Taxonomy Subgroup: Udic Pellusterts Field Observations Confirm Map Type?  Yes  No  
 Profile Description: \_\_\_\_\_

Depth (in.)	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/ Contrast	Texture, Concretions, Structure, etc.
<u>0-12</u>	_____	<u>10YR 6/2</u>	<u>10YR4/6</u>	<u>Few/ Fine/ Distinct</u>	<u>Silty clay</u>
<u>12+</u>	_____	<u>10YR 6/1</u>	<u>5YR 4/6, 5YR 5/8, 10YR5/4</u>	<u>Many/ Common/ Prominent</u>	<u>Silty clay</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Hydric Soil Indicators:  
 Histosol  
 Histic Epipedon  
 Sulfidic Odor  
 Aquic Moisture Regime  
 Reducing Conditions  
 Gleyed

Low-Chroma Colors  
 Concretions (Fe)  
 High Organic Content in Surface Layer in Sandy Soils  
 Organic Streaking in Sandy Soils  
 Listed on Local Hydric Soils List  
 Listed on National Hydric Soils List  
 Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetland Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sampling Point within a Wetland?  Yes  No

Remarks: \_\_\_\_\_

**ROUTINE WETLAND DETERMINATION DATA FORM**

**Upland Comparison  
Sheet 1**

Project Site: ODOT: U.S. 70 Date: 5/5/04  
 Applicant/Owner: \_\_\_\_\_ County: McCurtain  
 Investigator: T.Gwaltney, L.Nichols, R.T. Hutson State: Oklahoma

Do Normal Circumstances exist on the site?  Yes  No Community ID: Herbaceous Upland  
 Is the site significantly disturbed (Atypical Situation)?  Yes  No Transect ID: \_\_\_\_\_  
 Is the area a potential Problem Area?  Yes  No Plot ID: SC 4  
 (If needed, explain on reverse.)

**VEGETATION**

Dominant Plant Species	Indicator	Stratum	Dominant Plant Species	Indicator	Stratum
1. <u>Bromus japonicus</u>	<u>FAC</u>	<u>H</u>	9. _____	_____	_____
2. <u>Engelmannia pinnatifida</u>	<u>NL*</u>	<u>H</u>	10. _____	_____	_____
3. <u>Lepidium virginicum</u>	<u>FAC-</u>	<u>H</u>	11. _____	_____	_____
4. <u>Cynodon dactylon</u>	<u>FACU+</u>	<u>H</u>	12. _____	_____	_____
5. _____	_____	_____	13. _____	_____	_____
6. _____	_____	_____	14. _____	_____	_____
7. _____	_____	_____	15. _____	_____	_____
8. _____	_____	_____	16. _____	_____	_____

Percent of Dominant Species that are OBL, FACW, or FAC (excluding FAC-): 1/4=25%  
 Remarks: \* NL= Not enough information available

**HYDROLOGY**

Recorded Data Available (Describe in Remarks):  
 Aerial Photographs  
 Other  
 No Recorded Data Available

Field Observations:  
 Depth of Surface Water: 0 (in.)  
 Depth to Free Water in Pit: 0 (in.)  
 Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:  
 Primary Indicators:  
 Inundated  
 Saturated in Upper 12 inches  
 Water Marks  
 Drift Lines  
 Sediment Deposits  
 Drainage Patterns in Wetlands  
 Secondary Indicators (2 or more required):  
 Oxidized Root Channels in Upper 12 inches  
 Water-Stained Leaves  
 Local Soil Survey Data  
 FAC-Neutral Test  
 Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**SOILS**

Map Unit Name: Guyton Series & Phase: Silt loam Drainage Class: Poorly drained  
 Taxonomy Subgroup: Udic Pellusterts Field Observations Confirm Map Type?  Yes  No  
 Profile Description: \_\_\_\_\_

Depth (in.)	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/ Contrast	Texture, Concretions, Structure, etc.
0-8	_____	<u>10YR 5/4</u>	_____	_____	<u>Silty loam</u>
8-16	_____	<u>10YR 6/1</u>	<u>7.5YR 5/6, 7.5 YR 4/6</u>	<u>Many/ Common/ Prominent</u>	<u>Silty loam</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Hydric Soil Indicators:  
 Histosol  Low-Chroma Colors  
 Histic Epipedon  Concretions  
 Sulfidic Odor  High Organic Content in Surface Layer in Sandy Soils  
 Aquic Moisture Regime  Organic Streaking in Sandy Soils  
 Reducing Conditions  Listed on Local Hydric Soils List  
 Gleyed  Listed on National Hydric Soils List  
 Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetland Hydrology Present?  Yes  No  
 Hydric Soils Present?  Yes  No  
 Is this Sampling Point within a Wetland?  Yes  No

Remarks: \_\_\_\_\_

Upland Side

**ROUTINE WETLAND DETERMINATION DATA FORM**

Project Site: ODOT: U.S. 70 Date: 5/5/04  
 Applicant/Owner: \_\_\_\_\_ County: McCurain  
 Investigator: T.Gwaltney, L.Nichols, R.T. Hutson State: Oklahoma

Do Normal Circumstances exist on the site?  Yes  No Community ID: Juncus-Rubus wetland  
 Is the site significantly disturbed (Atypical Situation)?  Yes  No Transect ID: \_\_\_\_\_  
 Is the area a potential Problem Area?  Yes  No Plot ID: Crossing 6 (North side)  
 (If needed, explain on reverse.)

**VEGETATION**

Dominant Plant Species	Indicator	Stratum	Dominant Plant Species	Indicator	Stratum
1. <u>Juncus effusus</u>	<u>OBL</u>	<u>Herb</u>	9. <u>Lemna sp.</u>	<u>H</u>	<u>OBL</u>
2. <u>Rubus trivialis</u>	<u>FAC</u>	<u>Herb/WV</u>	10. _____	_____	_____
3. <u>Carex lupulina</u>	<u>OBL</u>	<u>Herb</u>	11. _____	_____	_____
4. <u>Baccharis salicina</u>	<u>FAC</u>	<u>Shrub/Sapl.</u>	12. _____	_____	_____
5. <u>Platanus occidentalis</u>	<u>FAC+</u>	<u>Shrub/Sapl.</u>	13. _____	_____	_____
6. <u>Liquidamber styraciflua</u>	<u>FAC</u>	<u>Tree</u>	14. _____	_____	_____
7. <u>Ulmus americana</u>	<u>FAC</u>	<u>Tree</u>	15. _____	_____	_____
8. <u>Platanus occidentalis</u>	<u>FAC+</u>	<u>Tree</u>	16. _____	_____	_____

Percent of Dominant Species that are OBL, FACW, or FAC (excluding FAC-): 9/9=100%

**HYDROLOGY**

Recorded Data Available (Describe in Remarks):  
 Aerial Photographs  
 Other  
 No Recorded Data Available

Field Observations:  
 Depth of Surface Water: 6 (in.)  
 Depth to Free Water in Pit: 0 (in.)  
 Depth to Saturated Soil: 0 (in.)

Remarks: \_\_\_\_\_

Wetland Hydrology Indicators:  
 Primary Indicators:  
 Inundated  
 Saturated in Upper 12 inches  
 Water Marks  
 Drift Lines  
 Sediment Deposits  
 Drainage Patterns in Wetlands  
 Secondary Indicators (2 or more required):  
 Oxidized Root Channels in Upper 12 inches  
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 Local Soil Survey Data  
 FAC-Neutral Test  
 Other (Explain in Remarks)

**SOILS**

Map Unit Name: Guyton Series & Phase: Silt loam Drainage Class: Poorly drained  
 Taxonomy Subgroup: Udic Pellusterts Field Observations Confirm Map Type?  Yes  No  
 Profile Description: \_\_\_\_\_

Depth (in.)	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/ Contrast	Texture, Concretions, Structure, etc.
<u>0-12</u>	_____	<u>10YR 6/1</u>	<u>7.5YR 3/4</u>	<u>Common/ Many/ Distinct</u>	<u>Silty loam</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Hydric Soil Indicators:  
 Histosol  
 Histic Epipedon  
 Sulfidic Odor  
 Aquic Moisture Regime  
 Reducing Conditions  
 Gleyed

Low-Chroma Colors  
 Concretions  
 High Organic Content in Surface Layer in Sandy Soils  
 Organic Streaking in Sandy Soils  
 Listed on Local Hydric Soils List  
 Listed on National Hydric Soils List  
 Other (Explain in Remarks)

Remarks: \_\_\_\_\_

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?  Yes  No  
 Wetland Hydrology Present?  Yes  No Is this Sampling Point within a Wetland?  Yes  No  
 Hydric Soils Present?  Yes  No

Remarks: \_\_\_\_\_

Wet Side