

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

<b>Project/Site:</b>	SC 41 – Wando Bridge	<b>Date:</b>	3/16/05
<b>Applicant/Owner:</b>	SCDOT	<b>County:</b>	Berkeley/Charleston
<b>Investigator:</b>	M. Thomas - EcoScience	<b>State:</b>	SC
<b>Do Normal Circumstances Exist on the Site?</b>	Yes      No	<b>Community ID:</b>	PFO1
<b>Is the site significantly disturbed (Atypical)?</b>	Yes      No	<b>Transect ID:</b>	TAA04
<b>Is the area a potential problem area?</b>	Yes      No	<b>Plot ID:</b>	Wetland TAA

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Acer rubrum</i>	C	FAC	9. _____	_____	_____
2. <i>Pinus taeda</i>	C	FAC	10. _____	_____	_____
3. <i>Arundinaria gigantea</i>	S	FACW	11. _____	_____	_____
4. <i>Lonicera japonica</i>	V	FAC-	12. _____	_____	_____
5. <i>Quercus nigra</i>	C	FAC	13. _____	_____	_____
6. <i>Smilax rotundifolia</i>	V	FAC	14. _____	_____	_____
7. _____	_____	_____	15. _____	_____	_____
8. _____	_____	_____	16. _____	_____	_____

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

Remarks:

**HYDROLOGY**

<p>_____ Recorded Data (Describe in Remarks)</p> <p>_____ Stream, Lake or Tide Gauge</p> <p>_____ Aerial Photographs</p> <p>_____ Other</p> <p><u>  x  </u> No Recorded Data Available</p> <p><i>Field Observations:</i></p> <p>Depth of Surface Water: _____ (in.)</p> <p>Depth to Free Water in Pit: <u>  6  </u> (in.)</p> <p>Depth to Saturated Soil: <u>  5  </u> (in.)</p>	<p><i>Primary Wetland Hydrology Indicators:</i></p> <p>_____ Inundated</p> <p><u>  x  </u> Saturated in Upper 12 Inches</p> <p>_____ Water Marks</p> <p>_____ Drift Lines</p> <p>_____ Sediment Deposits</p> <p>_____ Drainage Patterns in Wetlands</p> <p><i>Secondary Indicators: (2 or more required):</i></p> <p>_____ Oxidized Root Channels in Upper 12 Inches</p> <p>_____ Water-Stained Leaves</p> <p>_____ Local Soil Survey Data</p> <p><u>  x  </u> FAC-Neutral Test</p> <p>_____ Other (Explain in Remarks)</p>
Remarks:	

**SOILS**Map Unit Name (Series and Phase): Lynchburg Fine Sandy LoamTaxonomy (Subgroup): Aeric PaleaquultsDrainage Class: SWPDField Observations Confirm Mapped Type: Yes No

## Profile Description:

<u>Depth (inches)</u>	<u>Horizon</u>	<u>Matrix Color (Munsell Moist)</u>	<u>Mottle Colors (Munsell Moist)</u>	<u>Mottle Abundance/Contrast</u>	<u>Texture, Concretions Structure, etc.</u>
0 - 10	A	2.5Y 4/1			Fine, sandy loam
10 -12+	B	2.5Y 6/2	10YR 6/8	20%	Fine, sandy loam

## Hydric Soil Indicators:

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?	<b>Yes</b>	No	Is this Sampling Point Within a Wetland?
Wetland Hydrology Present?	<b>Yes</b>	No	
Hydric Soils Present?	<b>Yes</b>	No	
			<b>Yes</b> No

Remarks: drainage ditch marks northern extent of wetlands.

Medium quality freshwater wetland