

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

Project/Site: SC 41 – Wando Bridge	Date: 3/15/05
Applicant/Owner: SCDOT	County: Berkeley/Charleston
Investigator: M. Thomas - EcoScience	State: SC
Do Normal Circumstances Exist on the Site? Yes No	Community ID: PFO1/PF04
Is the site significantly disturbed (Atypical)? Yes No	Transect ID: TP09
Is the area a potential problem area? Yes No	Plot ID: Wetland

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus virginiana</i>	C	FACU+	9. _____	_____	_____
2. <i>Sabal palmetto</i>	C	FAC	10. _____	_____	_____
3. <i>Liquidambar styraciflua</i>	C	FAC+	11. _____	_____	_____
4. <i>Acer rubrum</i>	C	FAC	12. _____	_____	_____
5. <i>Juncus roemerianus</i>	H	OBL	13. _____	_____	_____
6. <i>Pinus taeda</i>	C	FAC	14. _____	_____	_____
7. _____	_____	_____	15. _____	_____	_____
8. _____	_____	_____	16. _____	_____	_____

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 83%

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>Field Observations:</p> <p>Depth of Surface Water: _____ (in.)</p> <p>Depth to Free Water in Pit: <u> 10 </u> (in.)</p> <p>Depth to Saturated Soil: <u> 6 </u> (in.)</p>	<p>Primary Wetland Hydrology Indicators:</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>Secondary Indicators: (2 or more required):</p> <p>_____ Oxidized Root Channels in Upper 12 Inches</p> <p><u> x </u> 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): <u>Lynchburg Fine Sandy Loam</u>					
Taxonomy (Subgroup): <u>Aeric Paleaquults</u>					
Drainage Class: <u>SWPD</u>					
Field Observations Confirm Mapped Type: Yes <u>No</u>					
Profile Description:					
<u>Depth</u> <u>(inches)</u>	<u>Horizon</u>	<u>Matrix Color</u> <u>(Munsell Moist)</u>	<u>Mottle Colors</u> <u>(Munsell Moist)</u>	<u>Mottle</u> <u>Abundance/Contrast</u>	<u>Texture, Concretions</u> <u>Structure, etc.</u>
1 - 0	O	10YR 3/1			Humic
0 - 1	A	10YR 2/1			Fine, sandy loam
1 - 3	AB	10YR 5/1			Fine, sandy loam
3 - 12+	B	10YR 6/2	10YR 4/6	20%	Course, sand
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:					

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Hydrophytic Vegetation Present?	Yes	No	Is this Sampling Point Within a Wetland? Yes No
Wetland Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	
Remarks: Medium quality freshwater wetland			