

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

Project/Site: <u>SC 41</u>	Date: <u>3/9/05</u>
Applicant/Owner: <u>SCDOT</u>	County: <u>Charleston</u>
Investigator: <u>EcoScience Corporation / Scherrer</u>	State: <u>South Carolina</u>
Do Normal Circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>Wetland</u>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Transect ID: <u>EH/TE</u>
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Plot ID: _____

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Baccharis halimifolia</u>	<u>shrub</u>	<u>FAC</u>	9. _____	_____	_____
2. <u>Andropogon sp.</u>	<u>herb</u>	<u>N/A</u>	10. _____	_____	_____
3. <u>Juncus sp.</u>	<u>herb</u>	<u>N/A</u>	11. _____	_____	_____
4. <u>Morella cerifera</u>	<u>shrub</u>	<u>FAC+</u>	12. _____	_____	_____
5. <u>Pinus taeda</u>	<u>tree</u>	<u>FAC</u>	13. _____	_____	_____
6. <u>Dicanthelium scoparium</u>	<u>herb</u>	<u>FACW</u>	14. _____	_____	_____
7. _____	_____	_____	15. _____	_____	_____
8. _____	_____	_____	16. _____	_____	_____

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

Remarks:

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b>  Depth of Surface Water: <u>0-4</u> (in.)  Depth to Free Water in Pit: <u>N/A</u> (in.)  Depth to Saturated Soil: <u>0</u> (in.)	
Remarks:	

**SOILS**

Map Unit Name (Series and Phase):		<u>Yonges Loamy Fine Sand</u>		Drainage Class: <u>Poorly-drained</u>	
Taxonomy (Subgroup):		<u>Typic Endoaqualfs</u>		Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input type="checkbox"/> No	

  

Profile Descriptions: Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc,
0-6		10YR 5/1	10YR 5/8		sandy loam
6-10		10YR 5/1	10YR 5/8	less mottling	sandy loam
10-12+		Gley 2 6/10BG			clay

  

Hydric Soil Indicators:

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

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Check) Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Check)  Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: Medium quality freshwater wetland	