

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>EF</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>Panicum spp.</u> | <u>herb</u> | <u>N/A</u> | 10. _____ | _____ | _____ |
| 3. <u>Juncus effusus</u> | <u>herb</u> | <u>OBL</u> | 11. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 12. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 13. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 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 | Wetland Hydrology Indicators: Primary Indicators: <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 Secondary Indicators (2 or more required): <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) |
| Field Observations: Depth of Surface Water: <u>0-2</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, |
| 0-3 | | 10YR 3/2 | 10YR 3/4 | | sandy loam |
| 3-12+ | | 10YR 5/2 | 10YR 4/4 | | loamy sand |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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) |
|---|--|

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: Saltwater wetland (Critical Area) | |