

RESTORATION EVALUATION PLAN

Project Name: Sandpiper Pond Restoration

Project Proponent: Friends of Huntington Beach State Park

Project Goal (the overall intent of the habitat restoration effort; in some cases, it can be long-term and exceed the life of the immediate available funding): The project will restore Sandpiper Pond to a brackish tidal wetlands that will support migratory waterfowl and other wildlife. Reduce the coverage of invasive plants such as common reed and cattail. Increase coverage of plants indicative of high-quality salt marsh.

Structural Objective: Reduce the coverage of invasive plants such as common reed and cattail

Parameter (what will be measured and in what units): Coverage of plant species.

Technique for Measurement (*optional*): 1.0 m² quadrats stratified random placement (mid-, upper-, and high-marsh)

Baseline (pre-construction or earliest available post-construction numerical value for the structural parameter): Monitoring of vegetation prior to inlet opening.

Reference (ideal numerical value for the structural parameter): Monitoring of vegetation of a reference marsh during the duration of the project.

Target (proposed numerical value desired for the structural parameter): Complete type conversion of the system.

Timing (sampling frequency and end date): seasonal: pre restoration (Fall and Winter 2004), post restoration (Spring 2005, Summer 2005, Fall 2005)

Functional Objective: Increase the diversity of birds utilizing the restored wetland.

Parameter (what will be measured and in what units): Diversity of waterfowl, wading birds, and shorebirds using wetland

Technique for Measurement (*optional*): census of bird spp.

Baseline (pre-construction or earliest available post-construction numerical value for the functional parameter): 5 species

Reference (ideal numerical value for the functional parameter): 10 species

Target (proposed numerical value desired for the functional parameter): 10 species

Timing (sampling frequency and end date): every two weeks through fall 05