



#### The International Shorebird Surveys

## A volunteer-based program for the study of international migrations of shorebirds in the Western Hemisphere

# The International Shorebird Survey (ISS) has operated throughout the Americas since 1974

More than 800 cooperators have made some 50 thousand censuses across virtually all of the United States.

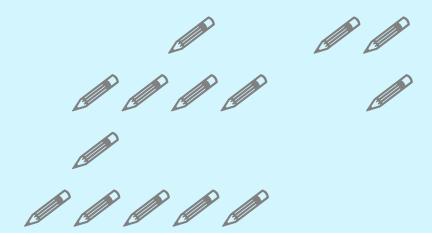




Each cooperator selected their site, and was asked to make a count once every 10 days during key migration times at a consistent time or tide.

Most cooperators followed ISS guidelines. Some sites were monitored for only a part of a single season, others for complete spring and fall migrations, and some for many years.

Although some sites have been monitored spring and fall for more than 20 years, most were monitored for fewer than 3 years.

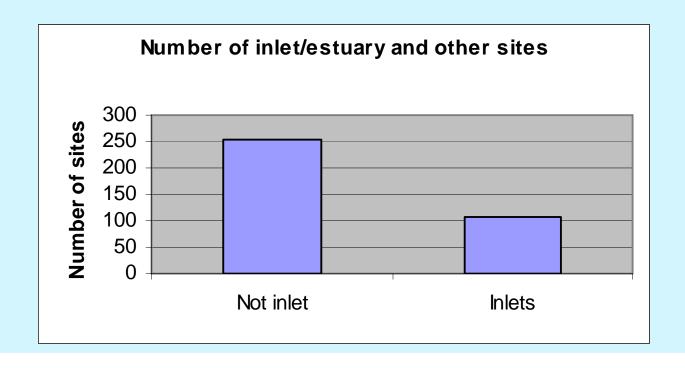


In this exercise I selected ISS information from the states of NC, SC, GA, and FL. Note: these are not breeding season counts.

I then categorized each site as being an **estuary/inlet**, or some **other** coastal habitat. Nonmarine habitats were excluded.

107 sites were classed as estuary/inlet

254 sites were classed as other

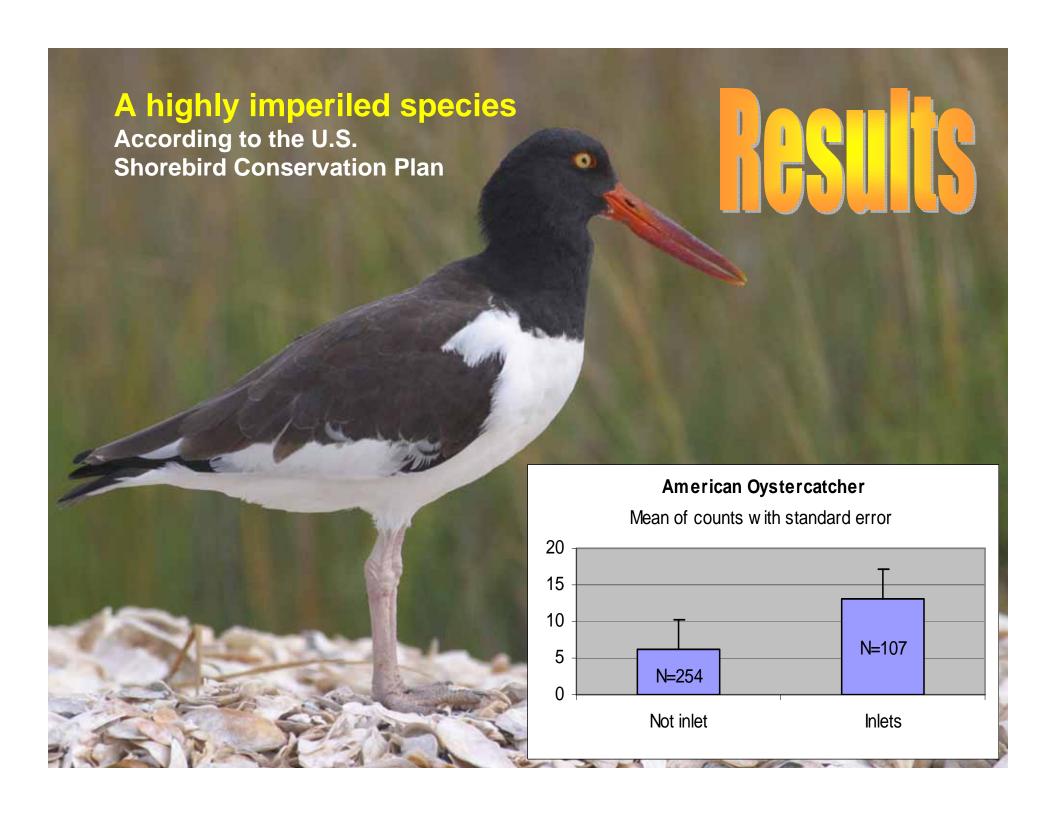


#### Shorebird species were placed in one of 3 groups:

Inlet-loving species:	Strongly coastal Species:	Other species
Am. Oystercatcher Piping Plover Wilson's Plover Red Knot Short-billed Dow.	Black-bellied Plover Snowy Plover Semipalmated Plover American Avocet Willet Whimbrel Long-billed Curlew Marbled Godwit Ruddy Turnstone Sanderling Semipalm. Sandp. Western Sandpiper Dunlin	Killdeer Blneck. Stilt Greater Yellowlegs Lesser Yellowlegs Solitary Sandpiper Upland Sandpiper Pectoral Sandpiper Stilt Sandpiper Least Sandpiper Long-billed Dow.

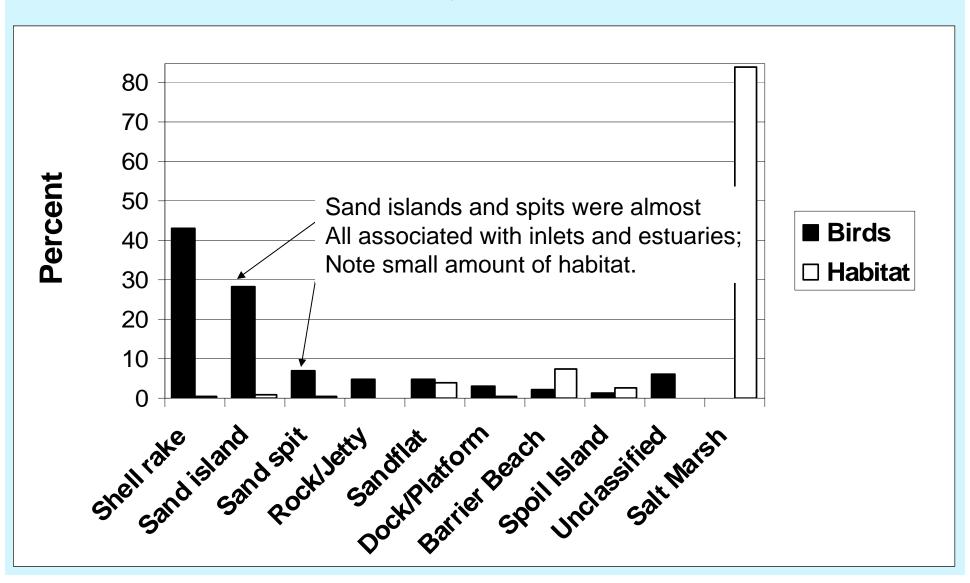
For each species I selected the single highest count made at each site.

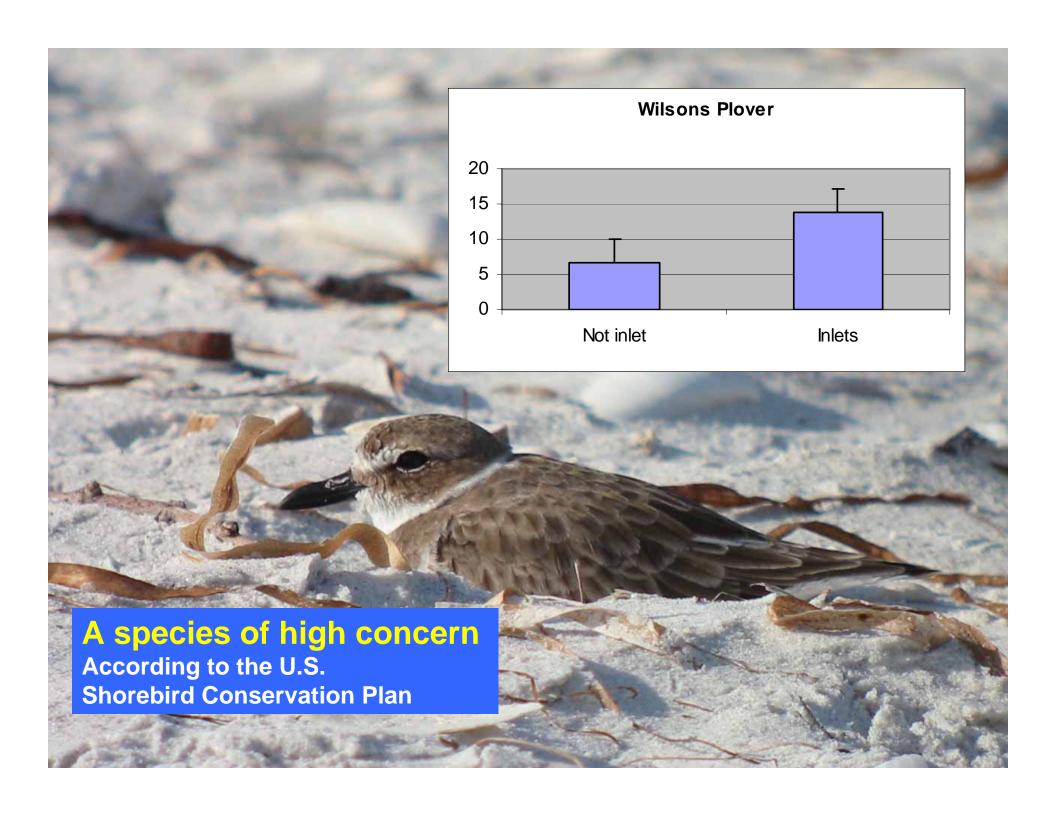
For each species I then calculated 2 averages based on the maximum counts, one for counts made at the 107 **inlets/estuaries** and the second for the 254 **other** sites. These are the values compared in slides that follow.

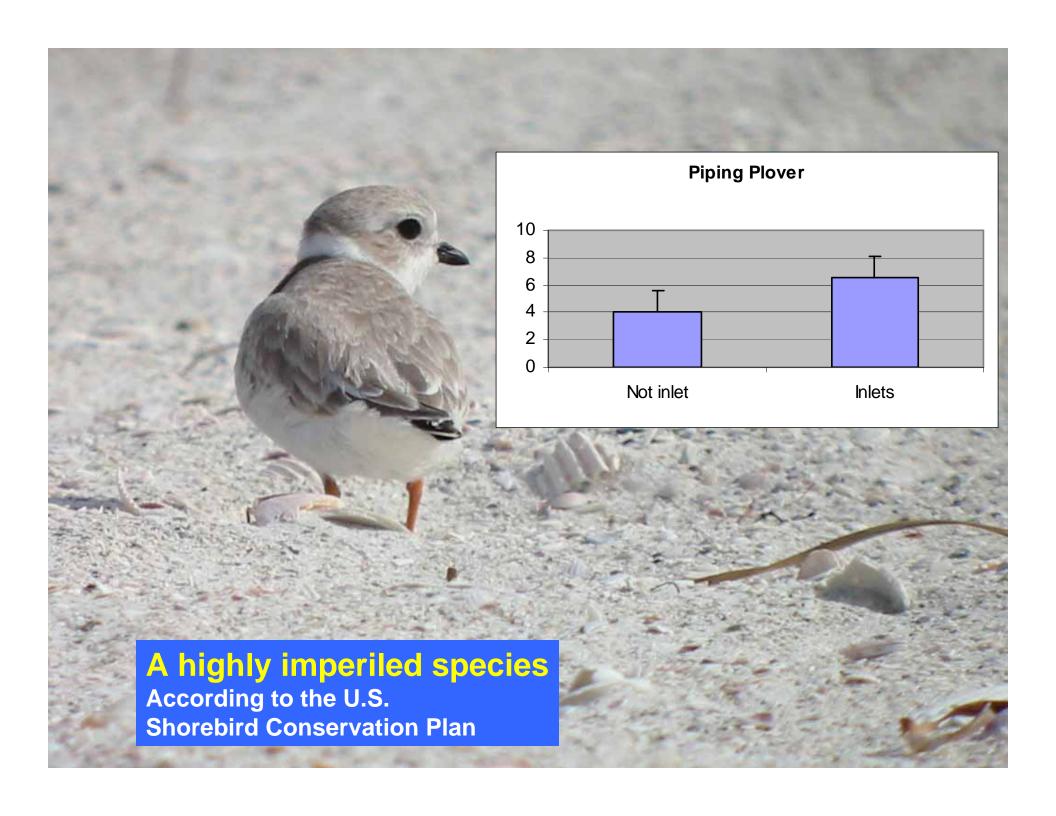


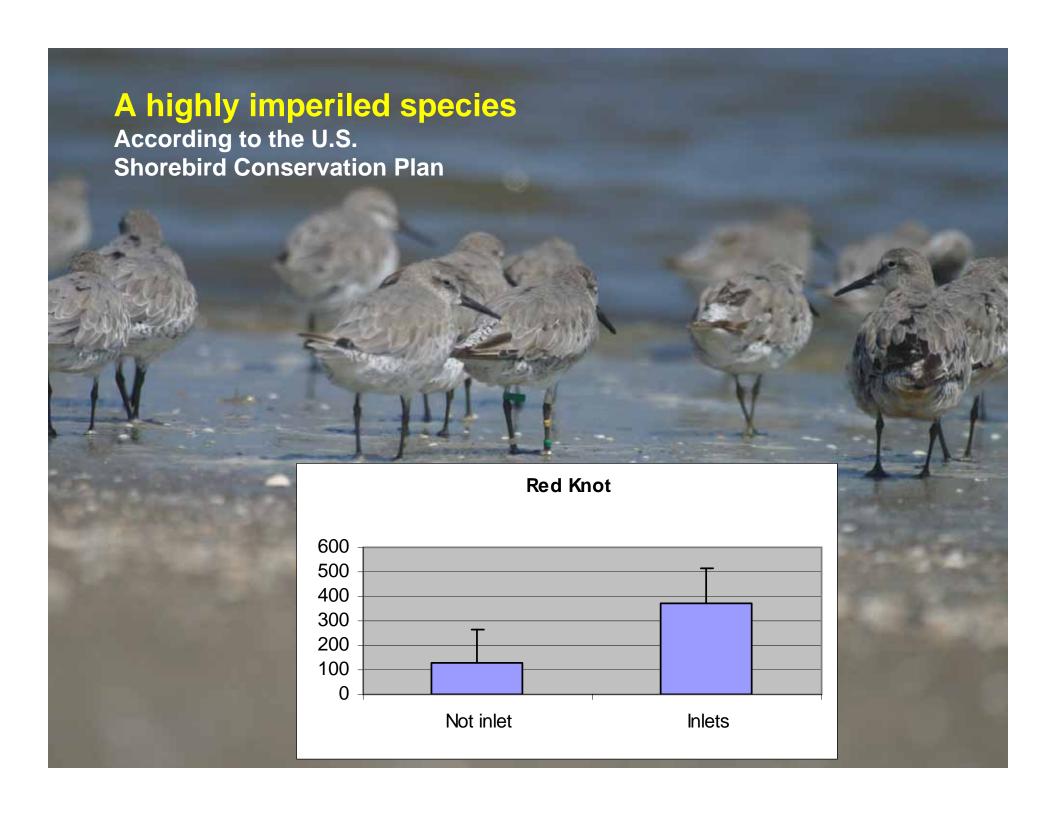
## Oystercatcher Roost Site Habitat Use and Availability

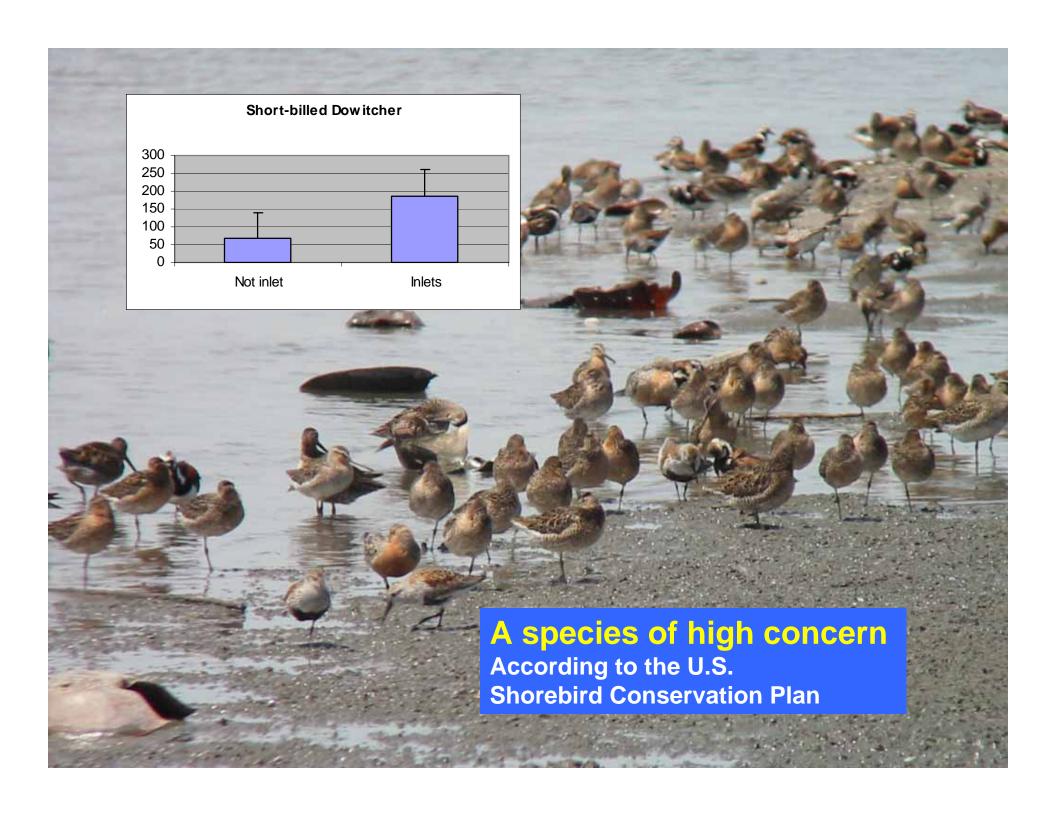
Based on a dedicated aerial survey, winter 2002-03, Brown et al., in press

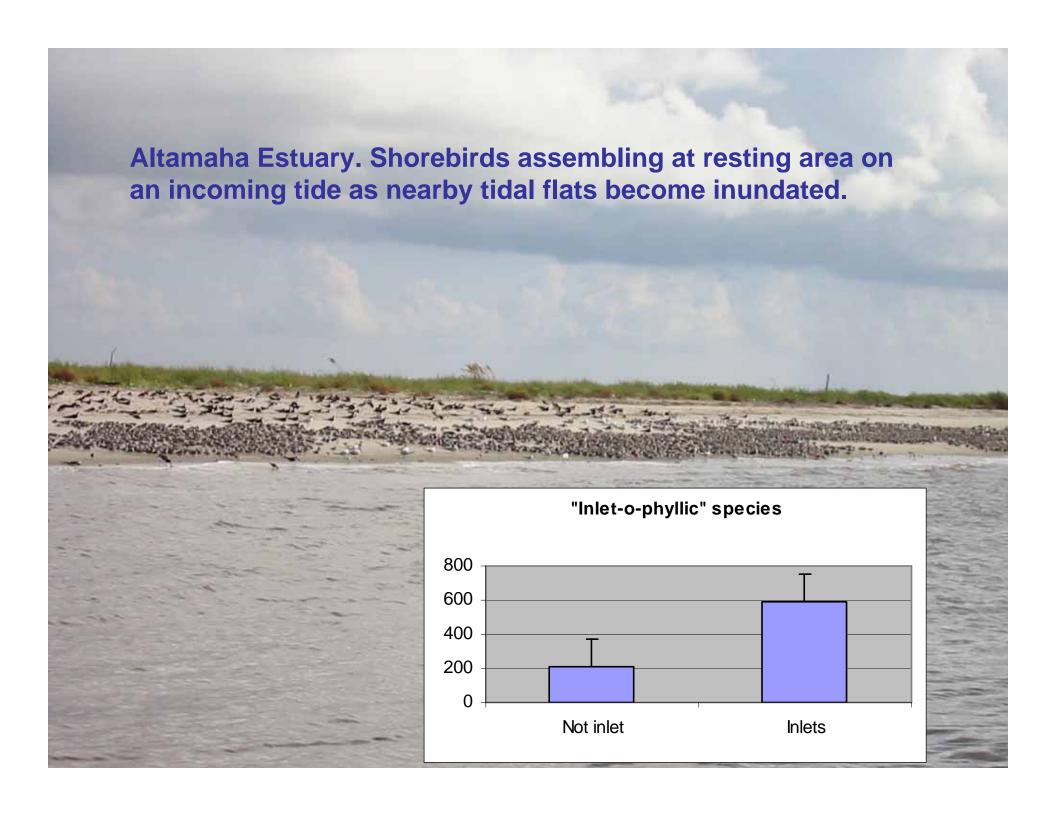




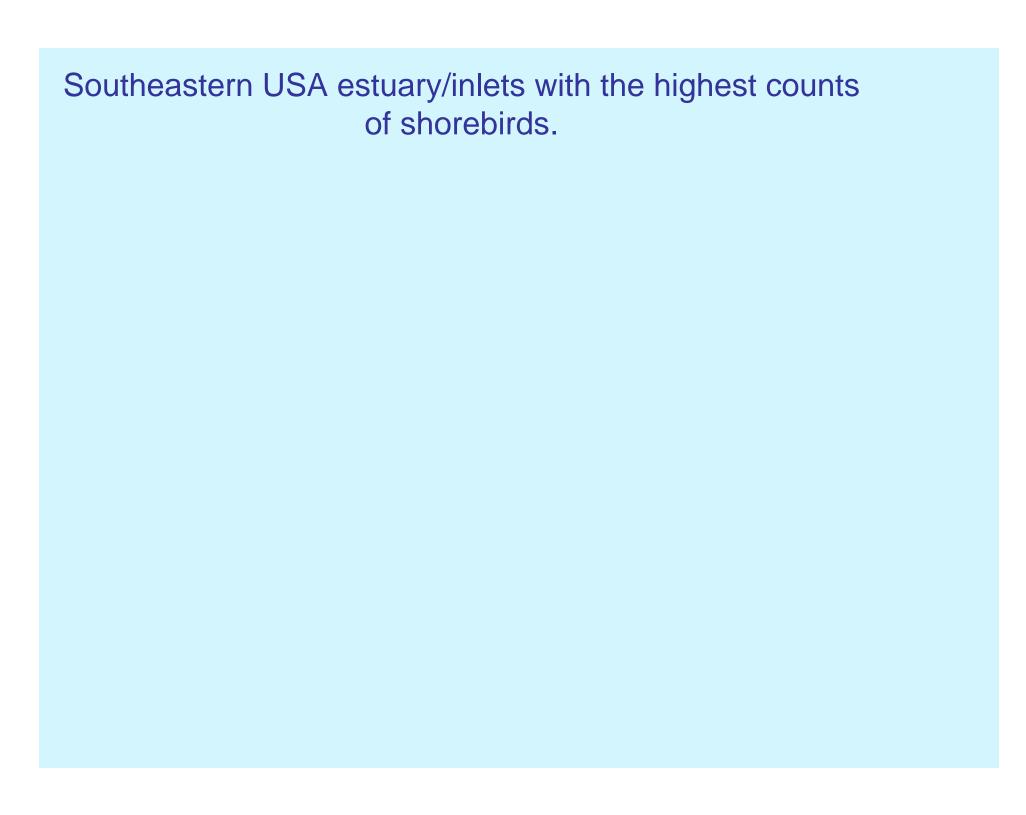


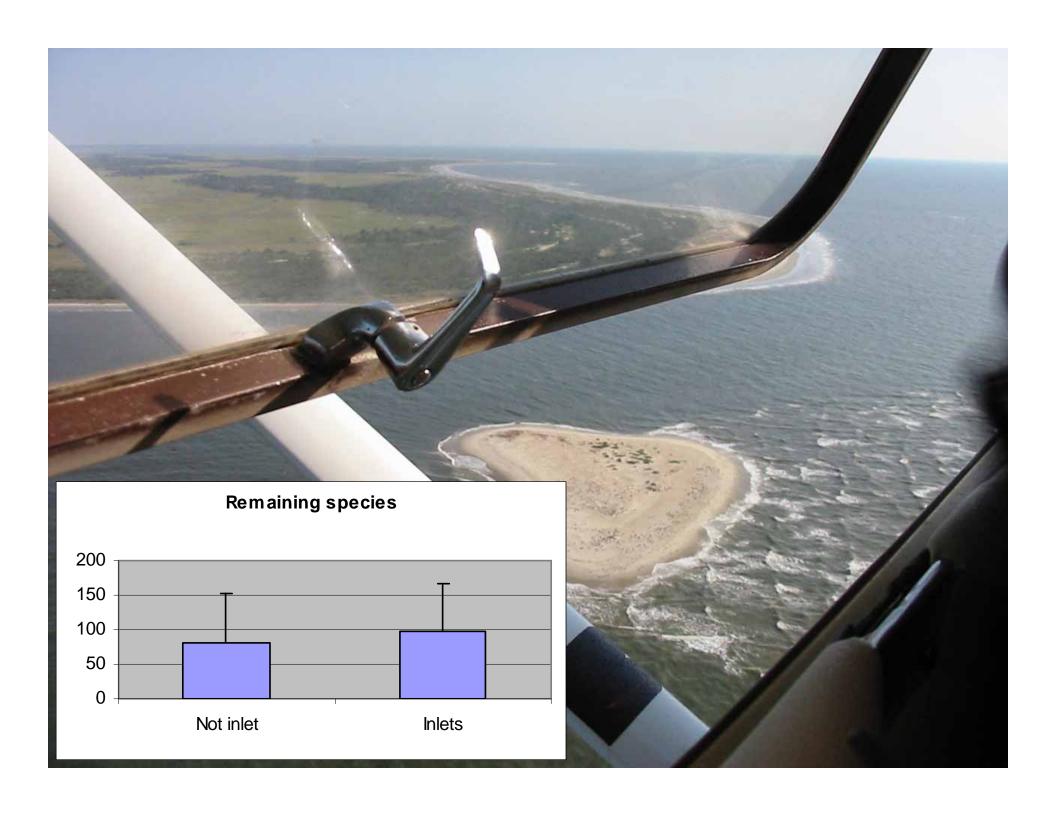














### Thank you

Brian Harrington bharr@manomet.org Manomet, MA 02345