

Figure 2. The boundaries of the Minas Bay unit of the Bay of Fundy Western Hemisphere Shorebird Reserve.

Scotia and the Canadian Wildlife Service representing the federal government.

The closing of the ceremonies at Evangeline Beach marked another major step in protecting the main links in the migration flyway of the Semipalmated Sandpiper in the form of three very important Hemispheric Shorebird Reserves:

- the Bay of Fundy which accommodates around
 million sandpipers and plovers during southward migration;
- 2) the coast of Suriname, South America, where nearly 2 million birds overwinter (the Coppename River Mouth Nature Reserve (12 000 hectares) and the Wia-Wia Nature Reserve (36 000 hectares)); and
- 3) Delaware Bay, New Jersey, a major staging area for spring migrants.

The original goal of the WHSR Network of linking and protecting distant and crucial habitats for shorebird populations shared between the Americas has, in three short years, become reality for one very abundant species.

ABSTRACTS OF SHOREBIRD PAPERS AT THE CENTENNIAL MEETING OF THE WILSON ORNITHOLOGICAL SOCIETY, PHILADELPHIA, PENNSYLVANIA, USA, 8-12 JUNE 1988.

Aspects of the wintering ecology of Piping Plovers in coastal Alabama

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Piping Plovers Charadrius melodus wintering on the Alabama coast were studied from September-October through April 1984-85 and 1985-86. Time spent foraging dominated diurnal activities during all months (x = 76%) and was highest in December (90%). Tidal height was correlated negatively with foraging time and appeared to be the most important factor influencing activities. Time spent resting and preening was related inversely to foraging, and combined time spent in agonistic, territorial, alert and locomoting activities was <5% during all months. Piping Plovers arrived on the study area in mid-July and several individuals remained into early April. Observations of color-marked plovers indicated that individuals were least mobile from late November through late January. Of the plovers marked in 1984-85, 63% returned during 1985-86 despite the occurrence of two major hurricanes during the fall of 1985.

Assimilation efficiency of Sanderlings Calidris alba feeding on Horseshoe Crab Limulus polyphemuseggs

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Millions of shorebirds of several species concentrate every spring on Delaware Bay during

their spring migration and their arrival coincides with the emergence of hundreds of thousands of Horseshoe Crabs that lay their eggs on the beach. Sanderlings feed upon this superabundant resource, shifting from their usual intertidal invertebrate diet. I estimated the assimilation efficiency of Sanderlings feeding on this particular food type and compared it with a standard food type (mealworms). While the assimilation efficiency on mealworms is within normal ranges, the assimilation efficiency on Horseshoe Crab eggs is very low (39%) when compared with efficiencies of other birds feeding on animal foods. Sanderling's choice of this diet is due to the extremely high abundance of this resource, regardless of its low assimilation. This is not surprising because Sanderling's goal in this migratory stop-over is to maximise its net energy intake in the minimum amount of time. They sacrifice in efficiency but profit on abundance.

EDITOR'S NOTE: By coincidence, exactly 100 papers were presented at this meeting. Only the two shown above dealt with shorebirds since the centerpiece of the meeting was a special symposium on parids and many papers dealt specifically with this group. However, it is interesting to note that the Wilson Prize for best student paper at the meeting went to Gonzalo Castro (see abstract above) and the Edwards Prize for the best paper published in the Wilson Bulletin in 1987 went to Peter Hicklin for his paper 'The Migration of Shorebirds in the Bay of Fundy', Wilson Bull. 99(4): 540-570. Although vastly outnumbered, the wader papers hold their own!!