

Genetic structure and pedigree of manatee in Tabasco.

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Annual summary report: The grant was awarded me SMM was helpful for a research stay connected with my masters project. The manatee in Mexico and internationally is a species considered endangered. I'm doing research aims to determine the genetic structure and the pedigree of species of manatees southern Gulf of Mexico. Since September 2013 I began to realize additional sample collection. During the months of September and October 2014 stay perform research in the laboratory of the USGS Sirenia Project in Gainesville Florida, with the aim of performing genetic analysis of the project. In this lab, perform amplifications Polymerase chain reaction (PCR) testing a total of 36 primers, which have been described as polymorphic for the species, once performed PCR amplifications, he proceeded to display amplified products by agarose gels 2%. I am currently performing the respective analyzes to determine the genetic structure and the respective pedigree analysis. The results of this work will be published later. This study will Provide the basis to know if gene flow Between groups OCCURS and if there is the Presence of manatee group subunits That We need to take in account for manatee conservation in the region.