

The Department of Natural Resources and The Environment

Sea Turtle Report 2011

Prepared by
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HISTORY



- The Department of Natural Resources and the Environment (DNRE) became operation in October 01st 1999. It was created as a result of a merger between the Department of the Environment of the Division of Tourism, Information, Environment and Settlements and the Forestry Section of the Department of Agriculture in the Division of Agriculture, Land and Marketing.
- The Department is responsible for ensuring that the natural environment of Tobago is managed in a sustainable manner. Administratively, Department of Natural Resources and the Environment (DNRE) is divided into five (5) functional areas.





THE OBJECTIVES INCLUDES



- To ensure sustainable use of our natural resources
- To protect areas of significant biological diversity
- To conserve and protect the indigenous flora and fauna of Tobago
- To reduce the pollution of our natural environment
- To rehabilitate degraded ecosystems
- To reduce soil erosion
- To monitor import and export of wild animals and plants
- To maximize the water storage potential of watersheds
- To provide recreational opportunities in the natural environment
- To sensitize and educate the general public about matter pertaining our environment.



WILDLIFE MANAGEMENT UNIT



- The Wildlife management unit of Department of Natural Resources and the Environment comprise presently of a Wildlife Biologist as the head, Foresters, Game Wardens and skilled field staff. These officers address all matters pertaining to wildlife and wetlands conservation including but not limit to.
- Administration to an Enforcement of the follow legislation
- Conservation of Wildlife Act 67:01 1958 (amendment 1980)
- Environmentally Sensitive Species Rules, 2001
- Environmentally Sensitive Area Rules, 2001
- To some extent the Fisheries Act 67:51 of 1916 (amendment 1975)



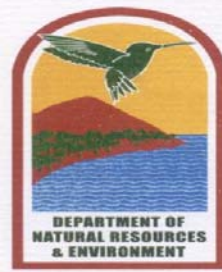
RESEARCH AND DEVELOPMENT PROJECTS IN THIS UNIT INCLUDES.



- Wetlands Assessment and Evaluation
- Wildlife Research and Education
- Monitoring of Turtles and Turtle Nesting Beaches
- Development of Bon Accord Lagoon Nature Park



OBSERVATIONS



- LACK OF SOCIAL DEVELOPMENT PROGRAMS IN ISOLATED VILLAGES, LEADS TO ILLEGAL HARVESTING OF SEA TURTLES AND THERE EGGS.
- THE SIZES AND QUANTITY OF JELLY FISHES THAT NORMAL WASHED ASHORE HAVE REDUCE
- ABNORMAL DEPOSIT OF SEA WEED UNTO NESTING BEACHES
- IN SOME BEACHES, POACHERS ARE HARVESTING THE EGGS AND LEAVING THE LEATHERBACKS TO NEST



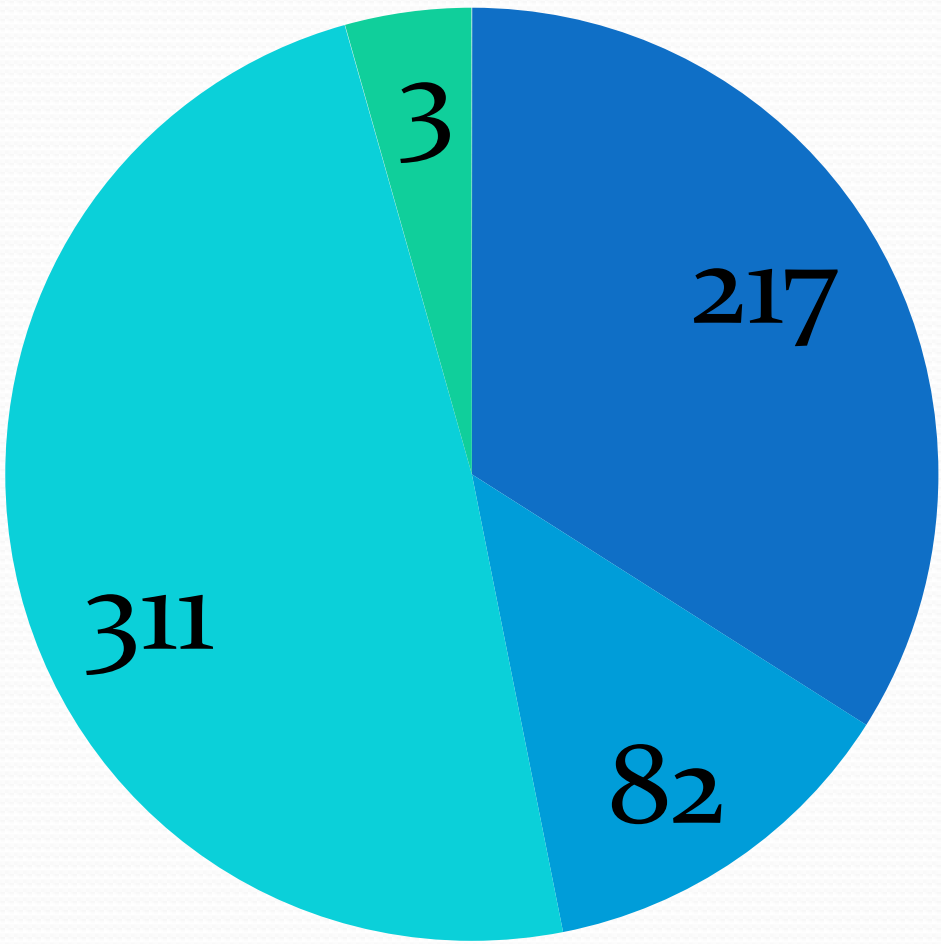








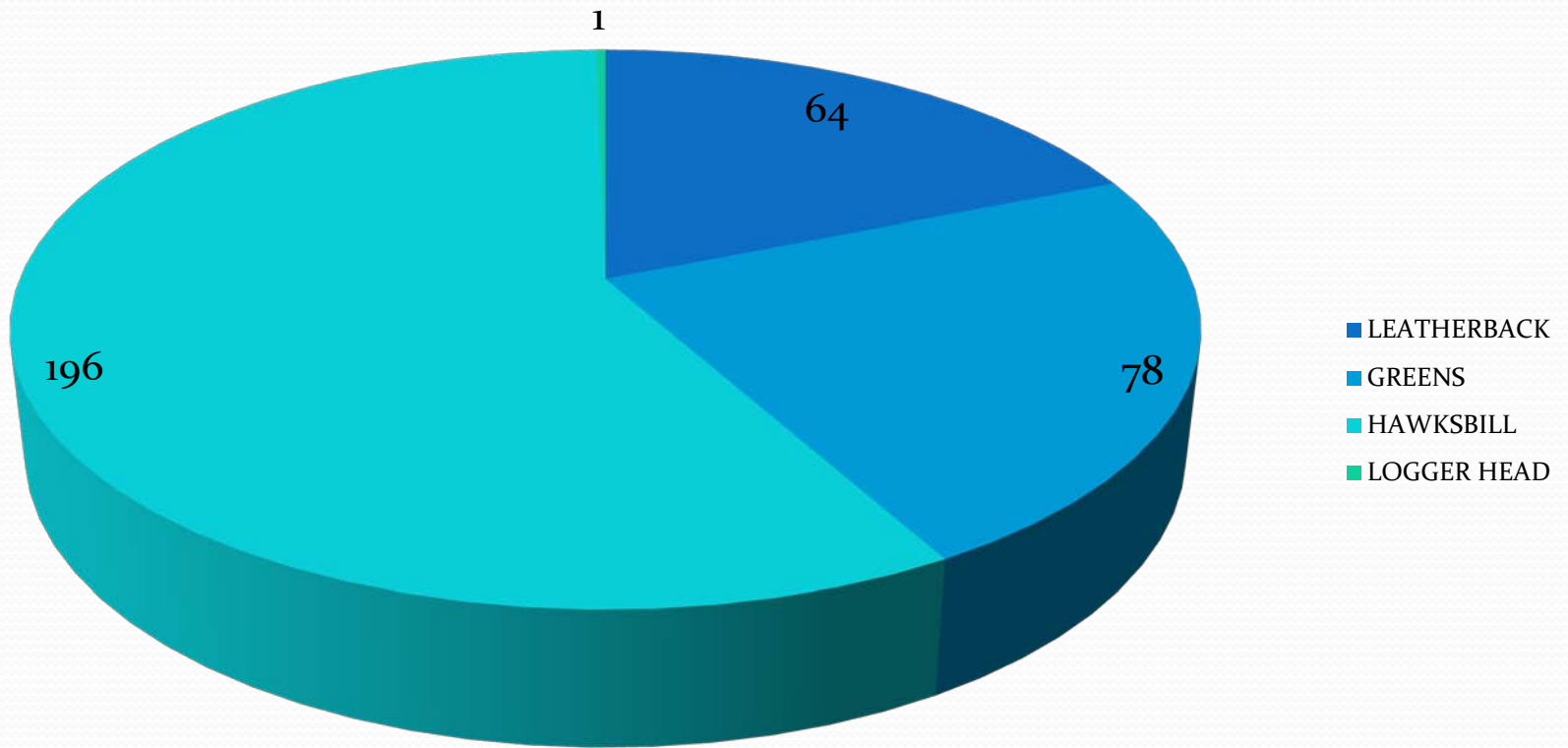
NESTING ACTIVITIES

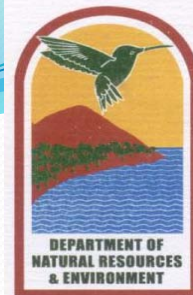


- LEATHERBACK
- GREENS
- HAWKSBILL
- LOGGER HEAD

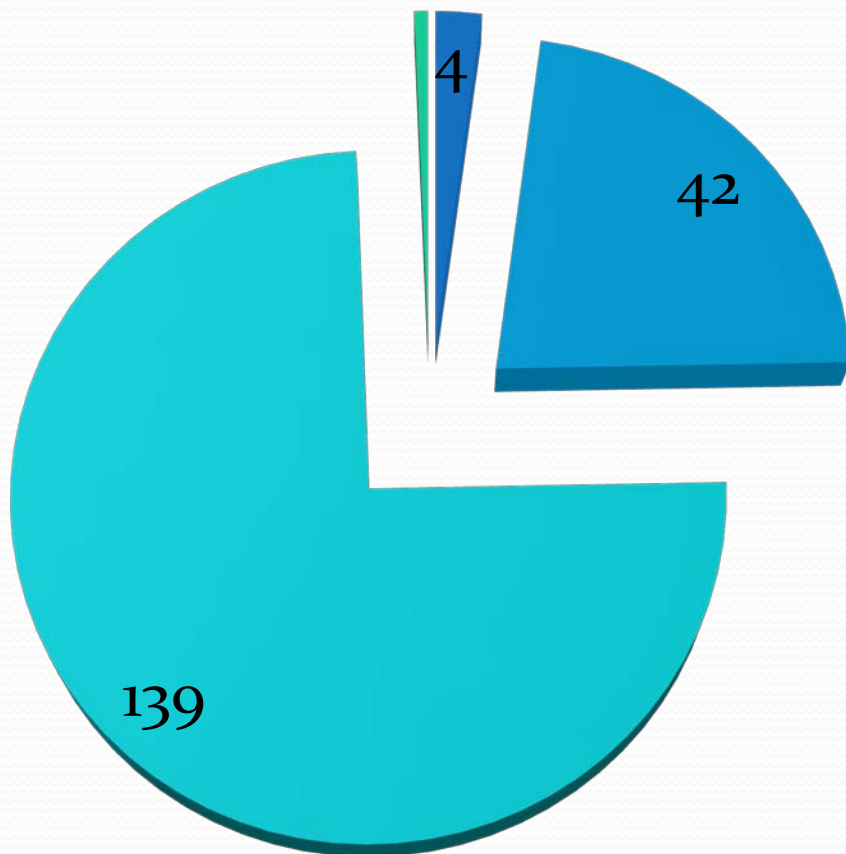


NUMBER OF NEST HATCHED PER MONTH DATA





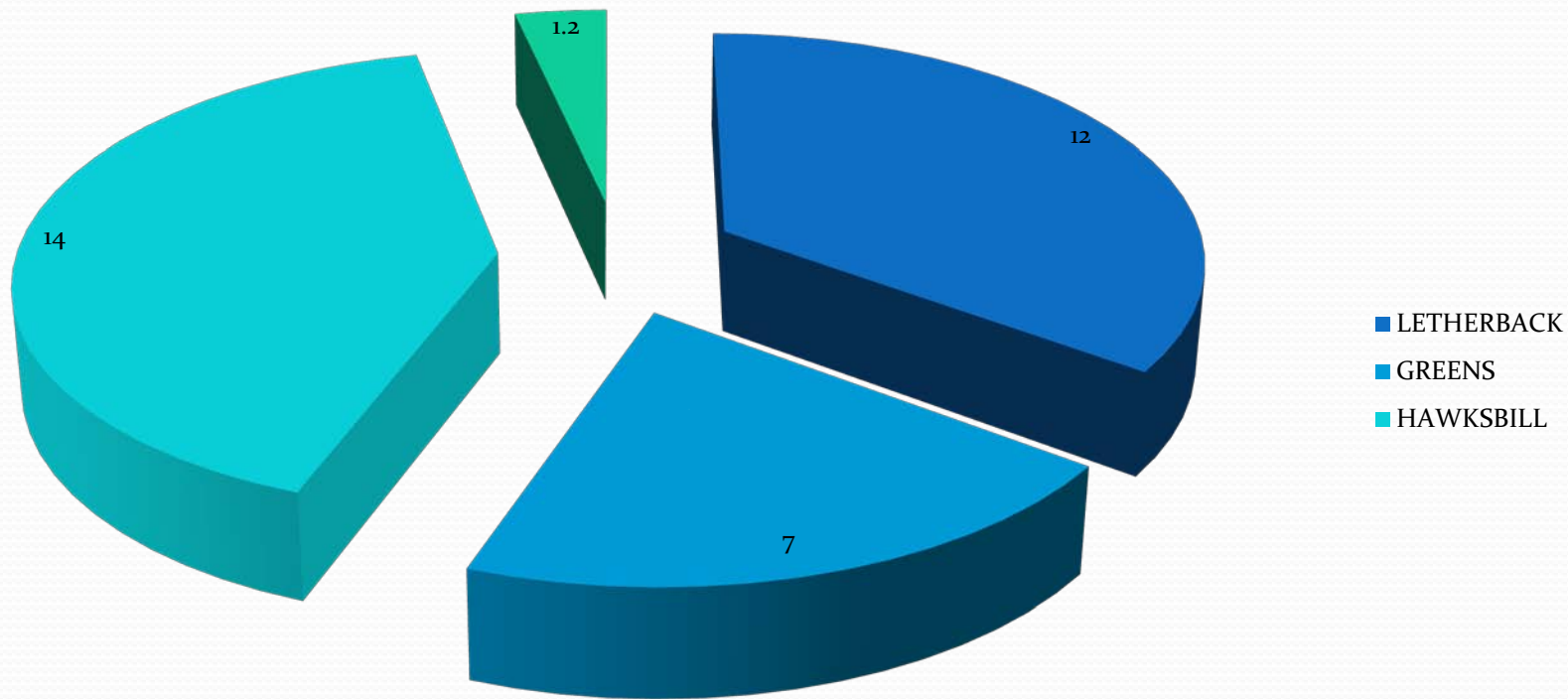
MORTALITY DATA



- LEATHERBACK
- GREENS
- HAWKSBILL

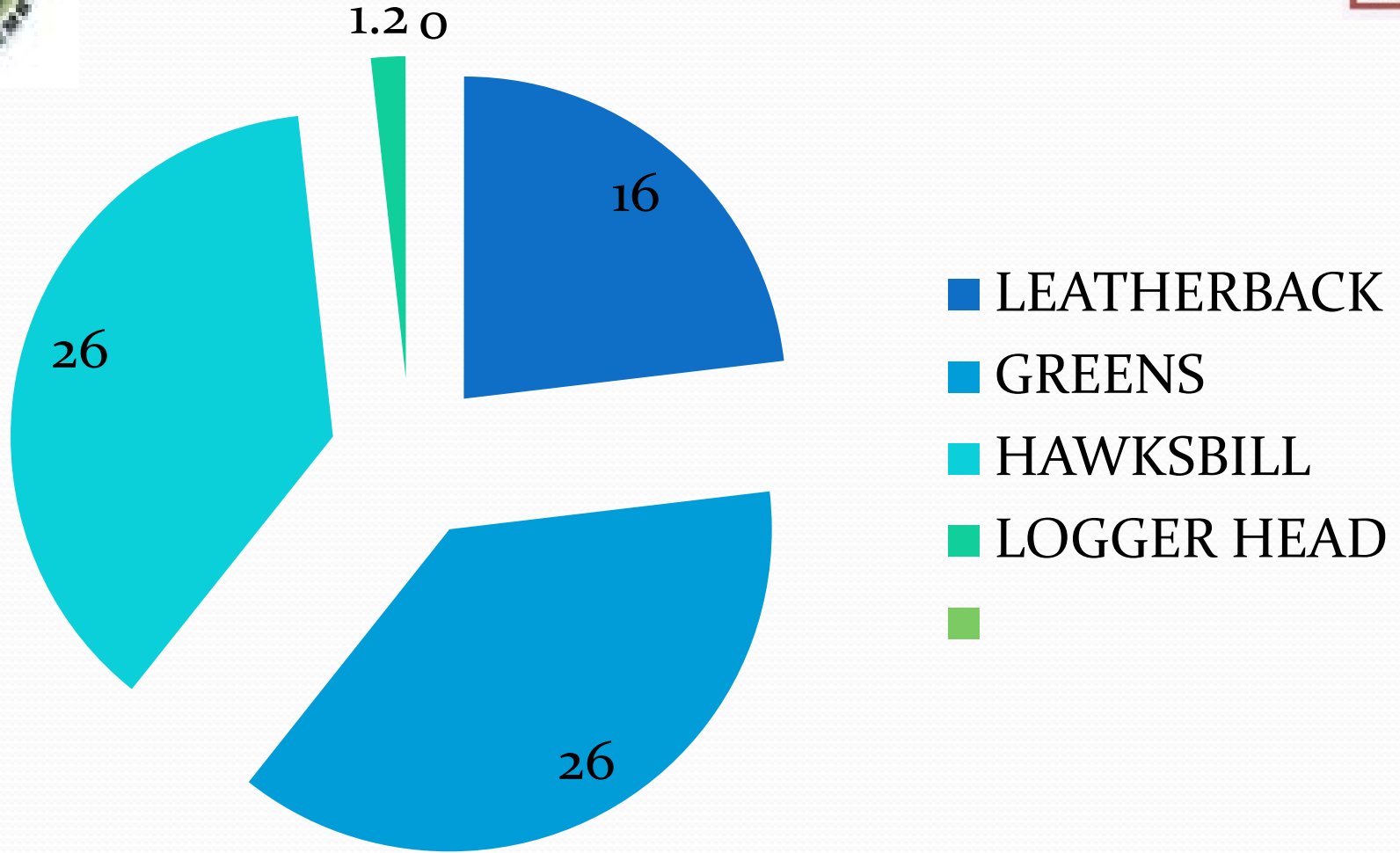


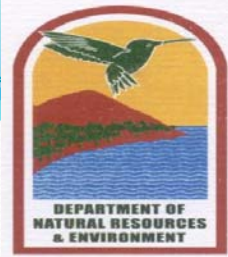
NUMBER OF NEST LOST



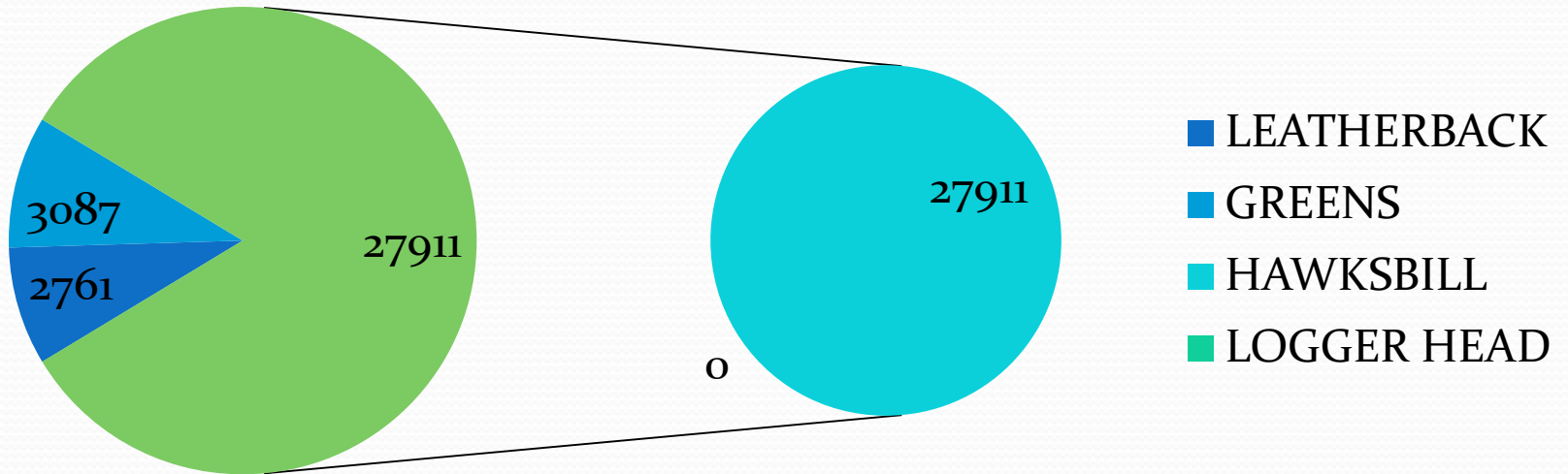


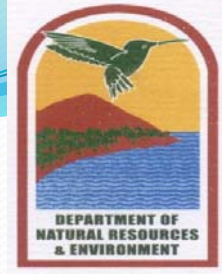
NUMBER OF BEACHES PATROLED



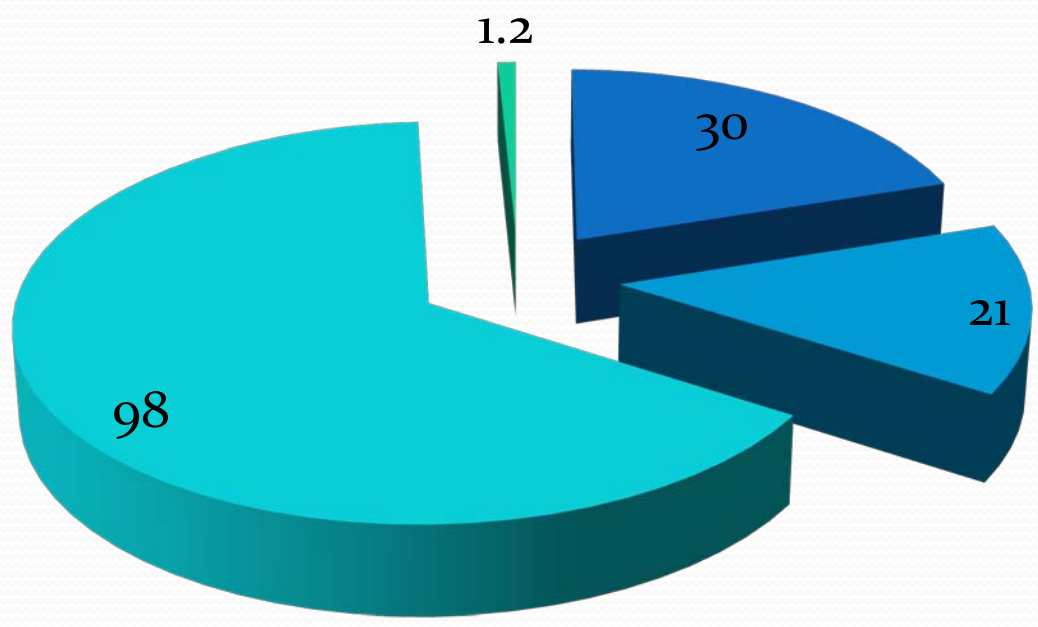


NUMBER OF HATCHLINS





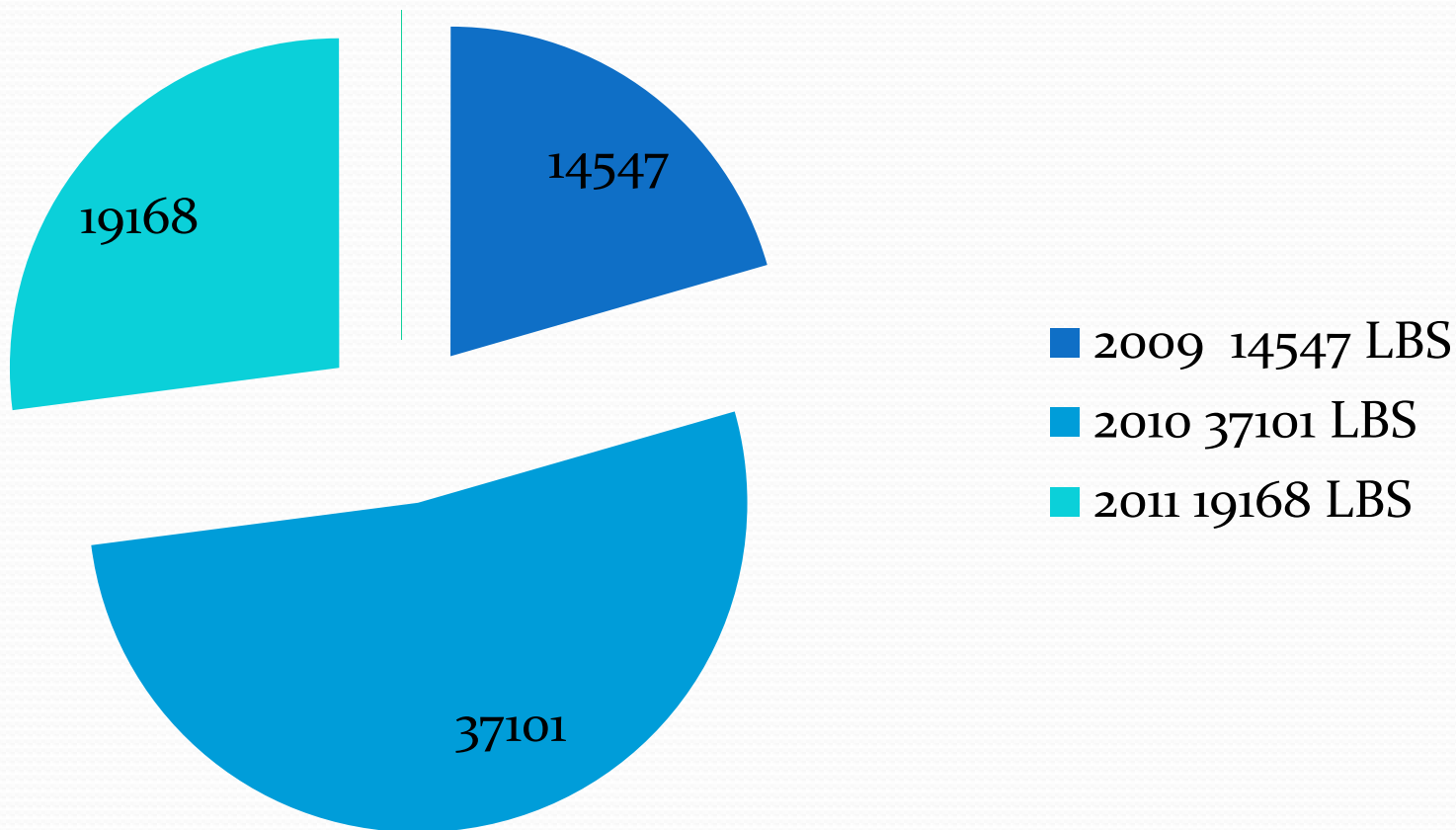
NUMBER OF NEST ESCAVATED



- LEATHERBACK
- GREENS
- HAWKSBILL
- LOGGER HEAD

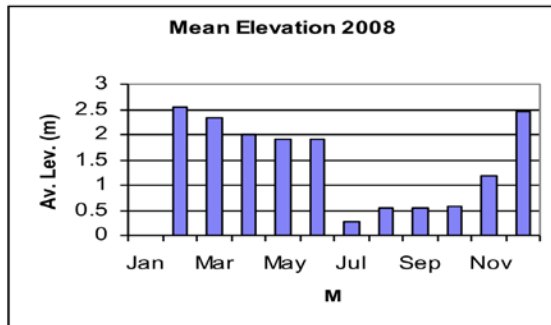
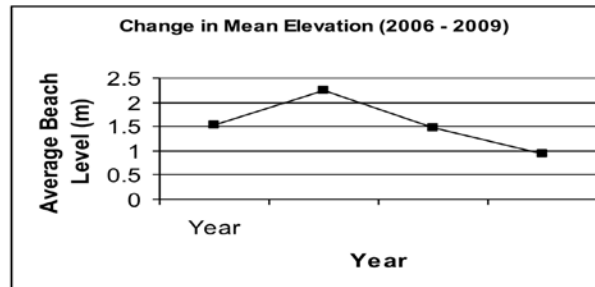
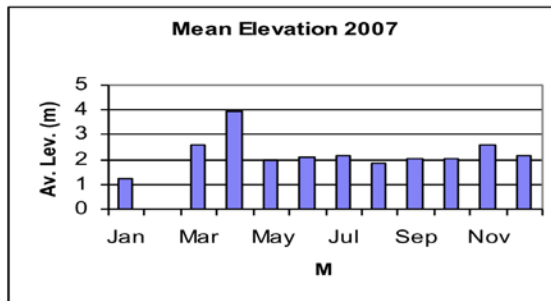
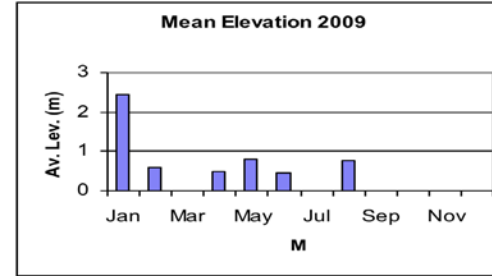
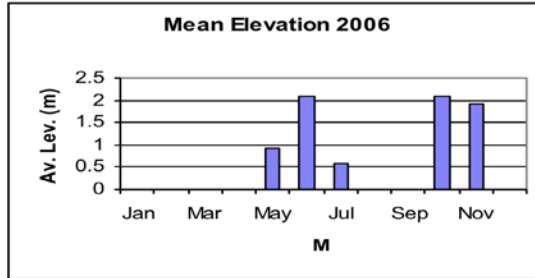


WEIGHT OF PLASTIC TAKE OFF THE BEACHES





BEACH PROFILING DATA FOR NESTING SITE (GREAT COURLAND BAY- CENTRAL)

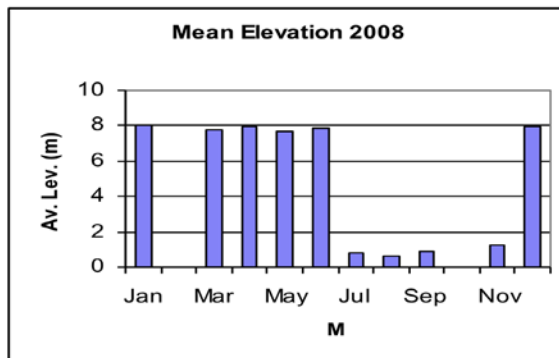
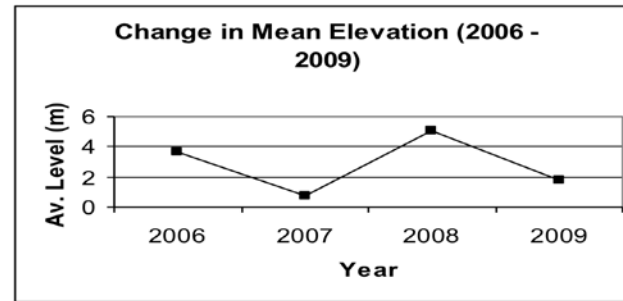
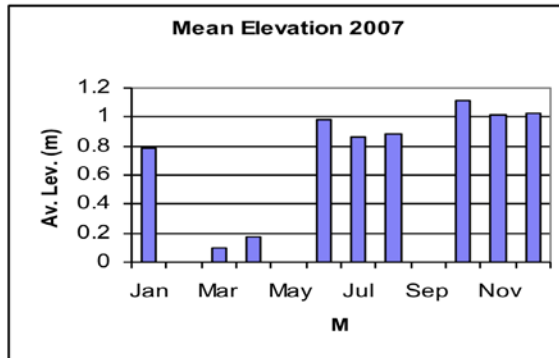
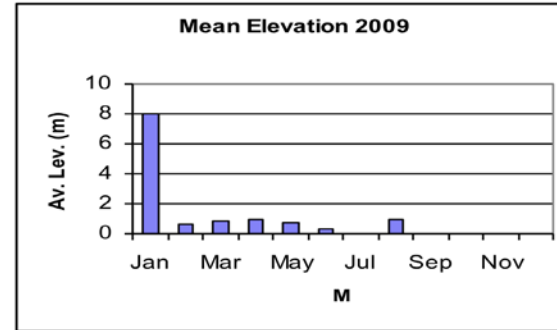
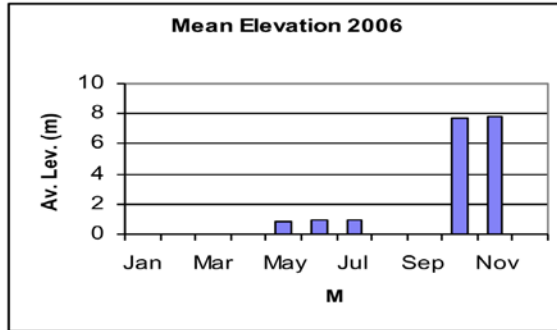


Erosion - 0.593m

Mean elevation - 1.544m



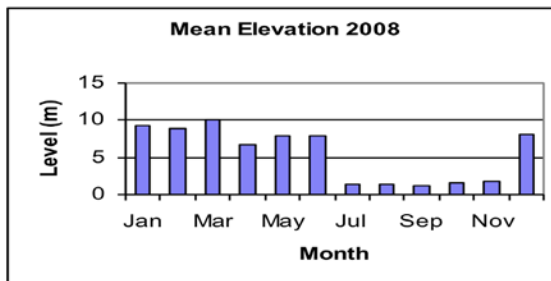
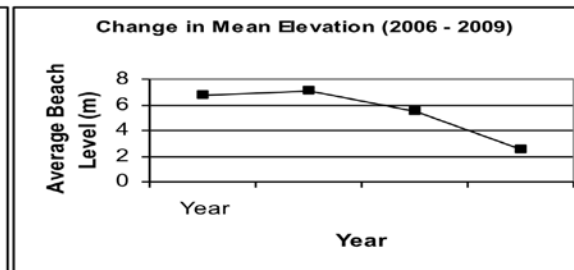
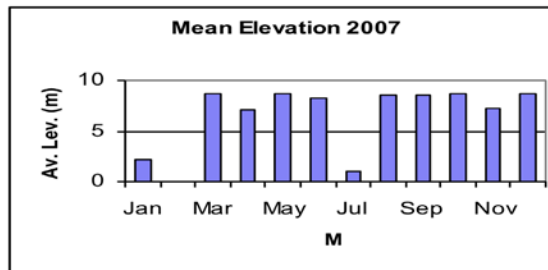
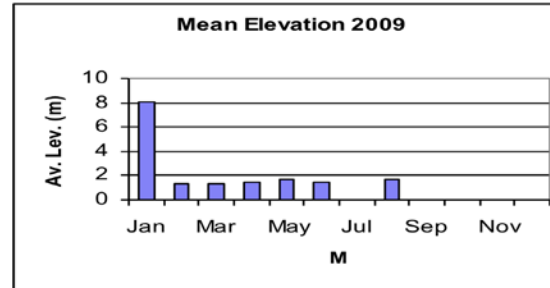
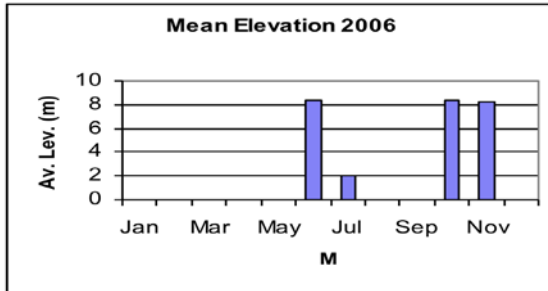
BEACH PROFILING DATA FOR NESTING SITE (GREAT COURLAND BAY- NORTH)



Erosion - 1.882m
Mean elevation - 2.812m



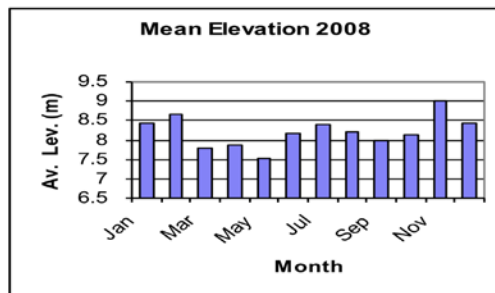
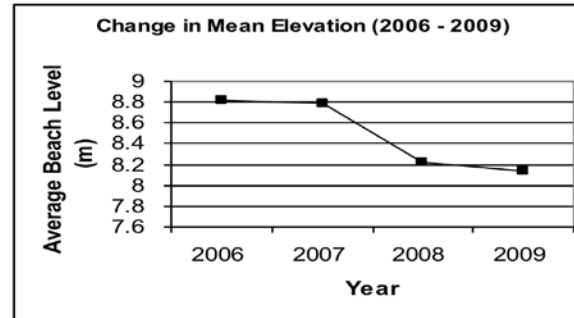
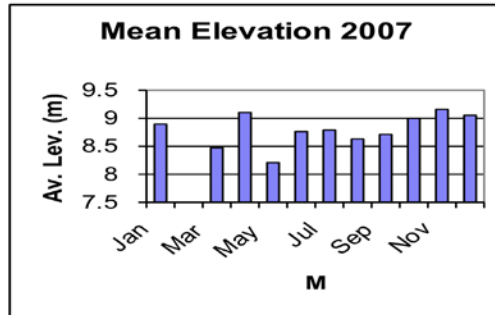
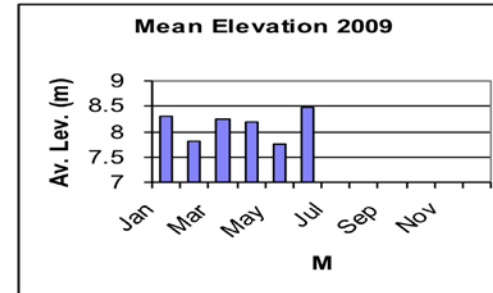
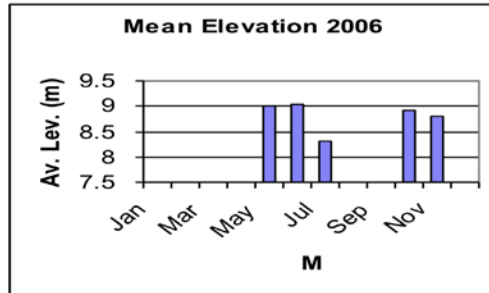
BEACH PROFILING DATA FOR NESTING SITE (GREAT COURLAND BAY- SOUTH)



Erosion - 4.279m
Mean elevation - 5.433m



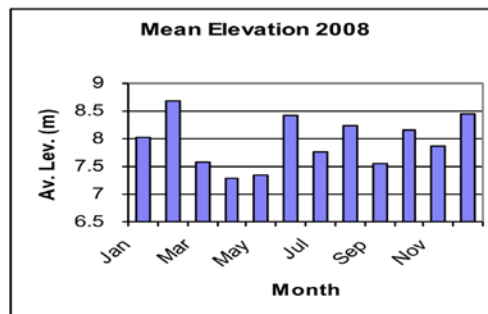
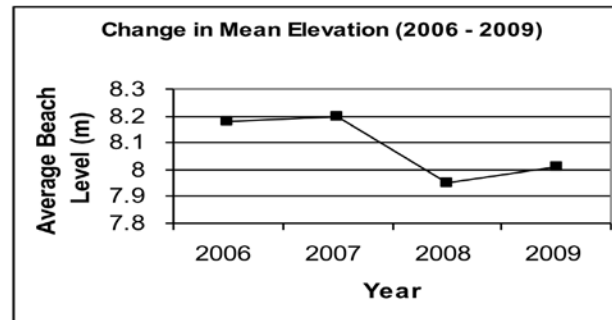
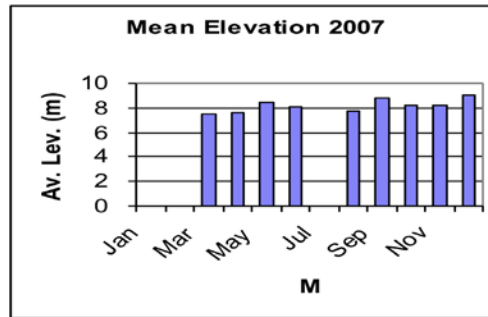
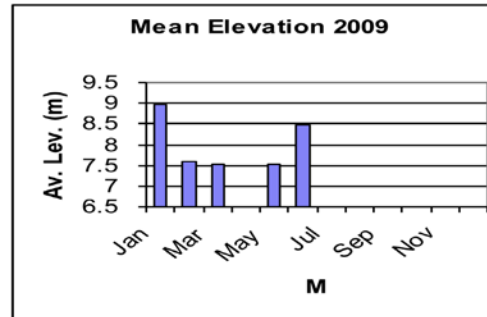
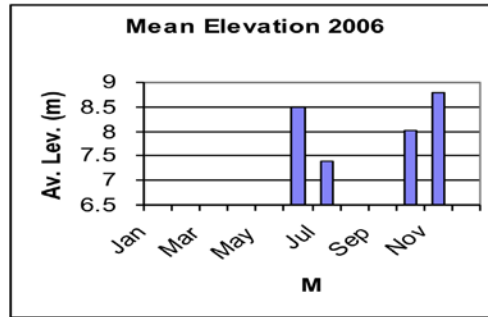
BEACH PROFILING DATA FOR NESTING SITE (MT. IRVINE BAY- NORTH)



Erosion - 0.689m
Mean elevation - 8.493m



BEACH PROFILING DATA FOR NESTING SITE (MT. IRVINE BAY- SOUTH)



Erosion - 0.167m

Mean elevation - 8.083m







RECOMMENDATIONS



- Make fines commensurate with product value
- Continued monitoring and Data collection on nesting populations, hatchlings
- Promote co-management between Government agencies, (NGO) Non Governmental Organization, CBO.
- Increase Educational Programs in schools and the mass media
- Investigate non-consumptive use to generate revenue i.e the potential for sustainable income from well-designed ecotourism.
- Regulation of Eco tourism and tour guiding



ACKNOWLEDGEMENTS



- Gratitude is extended to the following persons and groups who directly and indirectly contributed substantively to this report. Without the assistance and insight, the immense task of compiling this document could never have been completed. Special thanks are extended to the
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- Mrs. Michelle Stanislaus, Senior, Environmental Officer
- Ms. Stacey-Ann Balfour, Environmental Officer
- Ms. Crystel Lawrence, Environmental Officer
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- Game Warden I Jane Gray George,
- Mrs. Desa London-Alleyne ,
- Ms. Anuskha Ramroop,
- Mr. Jester Alman
- Mr. Osbert Walters, hard working Motor Vehicle Operator of the unit.



THANK YOU / GRACIAS!!!

