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**PROGRESS REPORT
SEA TURTLE CONSERVATION PROJECT
ON VIEQUES
(PERIOD JANUARY 1, 1993-JUNE 30, 1993)**

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**A REPORT TO US NAVAL STATION
ROOSEVELT ROADS FACILITIES
VIEQUES, PUERTO RICO**

The Consolidated Report for the fifth stage of the Sea Turtle Conservation Project at Vieques Island is as follows:

EDUCATION

A total of four (4) lectures about the Sea Turtle Project were offered to 164 students and fifteen (15) adults (parents, teachers) by means of slides shows, posters and presentation of preserved Sea Turtles Specimens. This lectures were offered to the following institutions:

INSTITUTION	ORIGIN	# PERSON
Playa Grande Elementary School	Vieques	24 students 2 adults
Club 4-H	Estatal	40 students 6 adults
Germán Rieckehoff Junior High School	Vieques	57 students 4 adults
Ramón Quiñones Pacheco Elementary School	Fajardo	45 students 6 adults

On April 21, 1993 we were invited to the T.V. program "VIDA" by Mrs. Myrna Pagán (Trust Conservation of Puerto Rico). This program is transmited by the local 28 channel. During the program we make a presentation of the Project and the involvement of the community in this effort.

On June 2, 1993 a group of volunteers patrolled the beach with us to watch a nesting leatherback. The turtle showed up at (2335 H) and was photographed by attendees. This turtle was previously tagged by project personnel.

HATCHERY OPERATION

During this semester a total of eighteen (18) nest were relocated to the hatchery: sixteen (16) from leatherbacks, and two (2) from hawksbills.

RESULTS

Daily beach patrols allowed us to relocated 18 nest with a total of 2,171 eggs.

Table 2. Leatherback and hawksbill nesting activity during this period

Specie	Total nest	Total eggs	Yolked eggs	Yolkless eggs
Leatherback	16	1,929	1,387	542
Hawksbill	2	242	242	_____

The egg diameter average for hawksbill was 36.15 mm. The hawksbill average clutch size was 121 eggs. There was an average of 86.68 yolked and 33.87 yolkless eggs per leatherback nest. The average diameter for leatherback yolked eggs was 53.63 mm.

Until June 30, 1993 a total of five (5) leatherback nest hatched with 364 hatchlings or 79.31% of hatching success. The average incubation period was 66.8 days. The leatherback hatchlings average length was 59.26 mm, the average width 40.56mm and the average weight 46.12 gr.

During this period a single leatherback was tagged. This leatherback was 167 cm long and 98 cm wide and the numbered tags used were #84 and 85.

NESTING ACTIVITY

LEATHERBACK NESTING SUMMARY BY BEACH

BEACH	IN-SITU	POACHED	ERODED	RELOCATED	NEST	CRAWL	NESTERS
Playa Brava	1	0	0	0	0	0	0
Punta Brigadier	2	0	0	1	3	0	1
Yellow Beach	15	0	0	6	21	6	6
Puerto Diablo	0	0	0	0	0	0	0
Playa Fanduca	0	0	0	0	0	0	0
Blue Beach	0	0	0	0	0	0	0
Boca Quebrada	0	0	0	0	0	0	0
Playa Yaxis	0	0	0	0	0	0	0
Tamarindo Sur	0	0	0	0	0	0	0
Sun Bay	1	0	0	8	9	4	2
Playita	2	0	0	0	2	0	1
Red Beach	0	0	0	0	0	0	0
El Gallito	0	0	0	0	1	0	0
Sixto Vélez	0	0	0	0	0	0	0
Playa Navío	0	0	0	1	1	0	0
Estancias Isla Nena	0	0	0	0	0	0	0
Totals	21	0	0	16	37	10	10

HAWKSBILL NESTING SUMMARY BY BEACH

BEACH	IN-SITU	POACHED	ERODED	RELOCATED	NEST	CRAWL	NESTERS
Jalovita	0	0	0	0	0	0	0
Yellow Beach	0	0	0	0	0	0	0
Fossil Bay	0	0	0	0	0	0	0
Playa Navío	0	0	0	0	0	0	0
Tamarindo Sur	0	0	0	0	0	0	0
Punta Arenas	0	0	0	0	0	0	0
Jalova	0	0	0	0	0	0	0
Playa Fanduca	0	0	0	0	0	0	0
Playa Brava	0	0	0	0	0	0	0
Boca Quebrada	0	0	0	2	2	0	1
Sun Bay	0	0	0	0	0	0	0
Totals	0	0	0	2	2	0	1