THE NATIONAL REPORT EL REPORTE NACIONAL

FOR THE COUNTRY OF POR EL PAIS DE

ANTIGUA AND BARBUDA

NATIONAL REPRESENTATIVE / REPRESENTANTE NACIONAL

DAVEN JOSEPH

Western Atlantic Turtle Symposium Simposio de Tortugas del Atlantico Occidental



17-22 July / Julio 1983 San José, Costa Rica



WESTERN ATLANTIC TURTLE SYMPOSIUM San José, Costa Rica, July 1983

NATIONAL REPORT FOR THE COUNTRY OF

ANTIGUA AND BARBUDA

NATIONAL REPORT PRESENTED BY

Daven Joseph

The National Representative

Address:

c/o Permanent Secretary Fisheries

Ministry of Lands, Agriculture, Lands and Fisheries

St Johns, Antigua

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DATE SUBMITTED: 21 March 1981

Please submit this NATIONAL REPORT no later than 1 December 1982 to:

IOC Assistant Secretary for IOCARIBE % UNDP, Apartado 4540 San José, Costs Rica





With a grant from the U.S. National Marine Fisheries Service, WIDECAST has digitized the databases and proceedings of the **Western Atlantic Turtle Symposium (WATS)** with the hope that the revitalized documents might provide a useful historical context for contemporary sea turtle management and conservation efforts in the Western Atlantic Region.

With the stated objective of serving "as a starting point for the identification of critical areas where it will be necessary to concentrate all efforts in the future", the first Western Atlantic Turtle Symposium convened in Costa Rica (17-22 July 1983), and the second in Puerto Rico four years later (12-16 October 1987). WATS I featured National Reports from 43 political jurisdictions; 37 presented at WATS II.

WATS I opened with these words: "The talks which we started today have the multiple purpose of bringing our knowledge up to date about the biological peculiarities of the marine turtle populations of the western Atlantic; to know and analyse the scope of the National Reports prepared by the scientific and technical personnel of more than thirty nations of the region; to consider options for the orderly management of marine turtle populations; and in general to provide an adequate forum for the exchange of experiences among scientists, administrators, and individuals interested in making contributions for the preservation of this important natural resource."

A quarter-century has passed, and the results of these historic meetings have been lost to science and to a new generation of managers and conservationists. Their unique importance in providing baseline data remains unrecognized, and their potential as a "starting point" is neither known nor appreciated.

The proceedings document what was known at the time concerning the status and distribution of nesting and foraging habitat, population size and trend, mortality factors, official statistics on exploitation and trade, estimated incidental catch, employment dependent on turtles, mariculture operations, public and private institutions concerned with conservation and use, legal aspects (e.g. regulations, enforcement, protected areas), and active research projects. In most cases it was the first time a national sea turtle assessment had been conducted.

Despite the potential value of this information to agencies responsible for conducting stock assessments, monitoring recovery trends, and safeguarding critical habitat in the 21st century, the hand-written National Reports, largely illegible in the published proceedings, have slipped into obscurity. To help ensure the legacy of these symposia, we have digitized the entire proceedings, including the National Reports, plenary presentations and panels, and annotated bibliographies of both meetings, and posted them online at http://www.widecast.org/What/RegionalPrograms.html.

Each article has been scanned from the original document. Errors in the scan have been corrected; however, to be true to the original content (as closely as we can discern it), potential errors of content have not been corrected. This article should be cited:

Joseph, D., J. Fuller and R. Camacho. 1984. <u>National Report for Antigua & Barbuda</u>, pp.12-29. *In*: Bacon, P., F. Berry, K. Bjorndal, H. Hirth, L. Ogren and M. Weber (Editors), Proceedings of the First Western Atlantic Turtle Symposium, 17-22 July 1983, San José, Costa Rica. Volume III: The National Reports. RSMAS Printing, Miami.

Karen L. Eckert WIDECAST Executive Director June 2009

COUNTRY: ANTIGUA AND BARBUDA

TABLE 1. GEOGRAPHIC INVENTORY		
Length of Coastline*, **	281 Km	
Km ² of Continental Shelf Area	3,400 Km	
Seaward Extent of Jurisdictions		
Territorial Sea	19.3 Km	
Extended Economic Zone	482.8 Km	
Fisheries Jurisdiction (None)		
Other (Describe)		

- * Coastline length is the measurement of the national seaward boundary of a country; i.e., the distance from border to border for a coastal country and the distance around an island country.
- ** The 3-island State, the third being Redonda, which is excluded because its coastline, being all vertical stone, is unsuitable for any turtle habitat of significance. The coastline of Antigua and Barbuda is legally undivided (save for 2 small conservation areas) with respect to marine wildlife and is all suitable for marine turtle habitat. The whole continental shelf is an ideal habitat for selected marine turtle species and Antigua and Barbuda's coastline contains 102 km of available nesting beaches: Antigua 26 km and Barbuda 76 km.

TABLE 2. COASTAL HABITAT INVENTORY	OF MARINE SHORE	LINE	
		Km of Shoreline	
Marine Shoreline Characteristics*	Undeveloped	Developed**	Total
1. Sand Beach (Total) 95% sand only with nest undeveloped sparsely covered with sand vine	73	29	102
A. High Energy	0.5	0.5	1
B. Low Energy Includes 5 km of non- beaches, no surf	73.5	27.5	101
2. Reef (exposed) Offshore 200-500 m	6	1	7
3. Rocks None significantly obstructs any beach (volcanic, limestone, and coral)	29	67.5	96.5
4. Cliffs	12	0	12
5. Vegetation (Total)	73	29	102
A. Vines on beaches; often found together with grasses	58.4	14.5	72.9
B. Grasses on beaches; often found together with vines	51.1	26.1	77.2
C. Mangroves	54.5	10	64.5
D. Coconut Trees	0	5.5	5.5
E. Other Trees or Shrubs Usually with vines and grass	43.8	11.6	55.4
F. Marshes	5	0	5
6. Mouths of Lagoons, Rivers, Canals	1	0	1
7. Total Shoreline	***174.5	***106.5	***281
	****194.0	****126.5	****320.5

- * Refer to SEA TURTLE MANUAL (Aerial Survey)
- ** Human development or use (See MANUAL)
- *** Editor's note (2009): Totals as listed in the original National Report (sum is incorrect)
- **** Editor's note (2009): Totals as corrected to reflect accuracy in summed values

TABLE 2A. MARINE HABITAT INVENTORY OF BOTTOM TYPES. (Supplementary page)

Habitat Bottom Types	Km ² of Habitat		
	Inside 25m (shoreward)	Outside 25m (shoreward)	
1. Sand	4.0	65	
2. Mud	0.15	3	
3. Rocks	0.35	3	
4. Submerged Vegetation	2.08	3,000	
5. Reefs (Total)	0.45	25	
A. Fringing Reefs	0.25	20	
B. Patch Reefs	0.2	5	
6. Other: Coral & Rocks, vegetation mixed		304	

List beaches in geographic sequ	ence. Provide	additional information on	following page.
Name of Beach	Length In Km	Species Nesting (use abbreviations)*	Months of Recorded Nesting
1. Carlise Bay	0.3	E	July
2. Curtain Bluff	0.3	D	April
3. Morris Bay	0.5	E	September
4. Crabb Hill Bay	0.6	E	August
5. Darkwood Beach	0.6	Е	August
6. Fryes Bay	0.4	E	August
7. Valley Church Bay	0.4	E	June
8. Pearns	0.6	E	July
9. Pinchin Bay	0.5	Cm, E	June-July
10. Runaway Bay	1.0	E	October
11. Elys Bay	0.7	D	April-May
12. Dutchman Bay	0.3	D	April
13. Pasture Bay	0.2	Cm, E	June-July
14. Grape Bay	0.2	Cm, E	June-July
15. Long Bay	0.7	E	July
16. Hog Hole	0.05	E	July
17. Green Island	1.3	Е	July-October
18. Mill Reef	0.8	E	August
19. Machin Bay	0.1	D	August
20. Indian Creek	0.05	Е	July
21. Windward Bay	0.1	E	
22. Dieppe Bay	0.6	E	
23. Turtle Bay	0.5	E	
24. Rendezvous Bay	0.2	E	
25. Tucks Bay	0.5	E	
26. (18) Cocoa Point Beach**	0.5	Cm, D, E	April-November
27. Spanish Well Point	0.1	E	May
28. (19) Continuous Beach**	21.0	Cm, D, E	April-November (inclusive)
29. (20) North Beach**	1	Cm, E	April-October (inclusive)
30. (21) Rabbit Isl. Beach**	4	Cm, E	May-November (inclusive)
31. (22) Hog Point to Two Foot Bay (inclusive)**	4	Cm, E	May-November (inclusive)

TABLE 3. NESTING BEACH INVENTORY

List beaches in geographic sequence. Provide additional information on following page.

Name of Beach	Length In Km	Species Nesting (use abbreviations)*	Months of Recorded Nesting
32. (23) Rubbish Bay**	0.5	Cm, E	May-October (inclusive)
33. (24) Castle Bay**	0.5	Cm, E	May-November (inclusive)
34. (25) Welch Point Bay**	1.5	Cm, E	May-October (inclusive)
35. (26) Pelican Bay**	4.5	Cm, E	May-November (inclusive)
36. (27) Spanish Point**	0.5	Е	May-November (inclusive)
* Species	Abbreviation Cc		
Chelonia mydas	Cm		
Dermochelys coriacea	D		
Eretmochelys imbricata	E		
Lepidochelys kempi	Lk		
Lepidochelys olivacea	Lo		

^{**} Editor's note (2009): Original document included these numbers in parentheses ()

TABLE 3A. NESTING BEACH INVENTORY (Supplementary page)

Please give additional information about each nesting beach identified in Table 3. Include information on color of sand, particle size, beach profile, backbeach vegetation, artificial lighting, etc.

1. Carlisle Bay

Beige; fine. 5°-10°. Coconut. No lights.

2. Curtain Bluff

Beige; fine. 5°-15°. Grass. Hotel.

3. Morris Bay

Beige; fine. 20°. Grass, coconut. Small hotel.

4. Crabb Hill Bay

White; fine. 5°-10°. Shrub. Village.

5. Darkwood

White; fine. 5°. Coconut. No lights.

6. Fryes Bay

White; fine. 5°-10°. Grass, trees. No lights.

7. Valley Church

White; coarse. 10°. Grass, shrubs. No lights

8. Pearns

Beige; fine. 15°-20°. Shrub, vines

9. Pinchin Bay

Beige; fine. 10°-15°. Shrub, vines. No lights

^{***} Editor's note (2009): Listed in this table in original National Report as "Continuous Beach"; however, other tables in this document (e.g., Tables 3A and 4.28) refer to this beach as "RIVER TO BILLY POINT"

10. Runaway Bay

White; medium. 5°-10°. Grass, vines, shrubs. Hotel.

11. Ely's Bay

White; medium. 5°-10°. Grass, vines, shrubs.

12. Dutchman's Bay

White; medium. 5°. Grass, vines. Hotel.

13. Pasture Bay

White; medium. 5°- 10°. Grass, vines, shrubs. No lights.

14. Grape Bay

White; medium. 5°-10°. Grass, vines, shrubs. No lights.

15. Long Bay

White; medium. 5°. Grass, trees. Light.

16. Hog Hole

White; medium. 5°. No vegetation. No light.

17. Green Island (two east coarse beaches)

White; medium. 5°-10°. Grass, vines, shrubs. No lights.

18. Mill Reef (three beaches)

White; medium. 5°-10°. Grass, vines. No lights.

19. Machin Bay

White; medium. 5°-10°. Grass, vines. No lights.

20. Indian Creek

Beige; medium. 10°. Grass. No lights. .

21. Winward Bay

Beige; fine. 10°-15°. Sea grapes, vines. No lights.

22. Dieppe Bay

Beige; medium. 10°-15°. Sea grapes, vines. No lights.

23. Turtle Bay

Beige; fine. 10°-15°. Sea grapes, vines. No lights.

24. Rendezvous Bay

Beige; fine. 10°-15°. Sea grapes, vines. No lights.

25. Tucks Bay

Beige; fine. 10°-15°. Sea grapes, vines. No lights.

26. Coconut Beach*

White; fine. 5°-15°. Grass, vines. Little light.

27. Spanish Well Point

White; fine. 5°-15°. Grass, shrubs. No lights.

28. River to Billy Point

White; medium-fine. 10°-30°. Grass, vines, shrubs. No lights.

29. North Beach

White; medium. 5°. Grass, vines. No lights.

30. Rabbit Island Beach

White; medium. 5° -30°. Grass, vines. No lights.

31. Hog Point to Two Foot Bay

White; medium. 5°-30°. Grass, vines. Little light.

32. Rubbish Bay

White; medium. 5°-10°. Grass, vines. Little light.

33. Castle Bay

White; medium. 10°-30°. Grass, vines. No lights.

34. Welch Point Beach

White; medium. 10°-30°. Grass, vines. No lights.

35. Pelican Bay

White; medium. 5°-20°. Grass, vines. No lights.

36. Spanish Point

White; medium. 5°. Grass, vines. No lights.

^{*} *Editor's note (2009):* The name of the beach listed in this supplemental table in the original National Report is "Coconut Beach"; however, other tables in this report (e.g., Tables 3 and 4.26) list this beach as "Cocoa Point".

TABLE 4.1. NESTING CE	ENSUS FOR BEACH: CAR	RLISE BAY	
Table summarizes census	s data for each beach listed	l in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas	NR		
Dermochelys coriacea	NR		
Eretmochelys imbricata	Negligible	1	June 1981
Lepidochelys kempi			
Lepidochelys olivacea			

Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species Number of Nests			Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea	Negligible	Less than 1	May 1979
Eretmochelys imbricata	<u> </u>		
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.3. NESTING CE	NSUS FOR BEACH: MOF	RRIS BAY		
Table summarizes census	s data for each beach listed	l in Table 3. Tables numbered	sequentially.	
Species Number of Nests Dates of collection				
·	Nest/Night (average)	Nest/Season (estimated)		
Caretta caretta				
Chelonia mydas				
Dermochelys coriacea				
Eretmochelys imbricata	Negligible	Less than 1	October 1976	
Lepidochelys kempi				
Lepidochelys olivacea				

	NSUS FOR BEACH: CRA	ABB HILL BAY I in Table 3. Tables numbered	1 coguantially	
Table Summanzes Census	data for each beach listed	Till Table 5. Tables humbered	a sequentially.	
Species Number of Nests Dates of C				
·	Nest/Night (average)	Nest/Season (estimated)		
Caretta caretta				
Chelonia mydas				
Dermochelys coriacea				
Eretmochelys imbricata	Negligible	2	Yearly reports in July and August from fishermen	
Lepidochelys kempi				
Lepidochelys olivacea				

TABLE 4.5. NESTING CE	NSUS FOR BEACH: DAF	RKWOOD	
Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
'	Nest/Night (average)	Nest/Season (estimated)	•
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	Less than 1	June 1981
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.6. NESTING CE	ENSUS FOR BEACH: FRY	ES BAY		
Table summarizes census	s data for each beach listed	in Table 3. Tables numbered	sequentially.	
Species Number of Nests Dates of collection				
·	Nest/Night (average)	Nest/Season (estimated)		
Caretta caretta				
Chelonia mydas	Negligible	Less than 1	July 1980	
Dermochelys coriacea				
Eretmochelys imbricata				
Lepidochelys kempi				
Lepidochelys olivacea				

TABLE 4.7. NESTING CE	NSUS FOR BEACH: VAL	LEY CHURCH BAY	
Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta	<u> </u>		
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	Less than 1	June 1982
Lepidochelys kempi			
Lepidochelys olivacea			

	NSUS FOR BEACH: PEA		
Table summarizes census	data for each beach listed	in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	-
Caretta caretta			
Chelonia mydas	Negligible	2	June 1981; July 1982
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	2	June 1981; July 1982
Lepidochelys kempi			
Lepidochelys olivacea			

	ENSUS FOR BEACH: PING a data for each beach listed	CHIN BAY I in Table 3. Tables numbered	sequentially.		
Species Number of Nests Dates of collection					
	Nest/Night (average)	Nest/Season (estimated)			
Caretta caretta					
Chelonia mydas					
Dermochelys coriacea					
Eretmochelys imbricata	Negligible	Less than 1	June 1982		
Lepidochelys kempi					
Lepidochelys olivacea					

	ENSUS FOR BEACH: RU				
Table summarizes census	data for each beach listed	in Table 3. Tables numbered	l sequentially.		
Species Number of Nests Dates of collection					
	Nest/Night (average)	Nest/Season (estimated)			
Caretta caretta					
Chelonia mydas					
Dermochelys coriacea					
Eretmochelys imbricata	Negligible	1	July, August 1982		
Lepidochelys kempi					
Lepidochelys olivacea					

TABLE 4.11. NESTING C	ENSUS FOR BEACH: EL	YS BAY	
Table summarizes census	data for each beach listed	in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea	Negligible	Less than 1	April, May 1981
Eretmochelys imbricata			
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.12. NESTING C		in Table 3. Tables numbered	sequentially
Table callinalized college	data for each beach notes	The rable of rables hambered	- coquerinany:
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea	Negligible	Less than 1	April 1981
Eretmochelys imbricata	<u> </u>		
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.13. NESTING C	ENSUS FOR BEACH: PA	STURE BAY	
Table summarizes census	data for each beach listed	in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	-
Caretta caretta			
Chelonia mydas	Negligible	4	June, July annually
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	4	June, July annually
Lepidochelys kempi			
Lepidochelys olivacea			

	ENSUS FOR BEACH: GR		
Table summarizes census	data for each beach listed	in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas	Negligible	3	June, July annually
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	3	June, July annually
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.15. NESTING C	ENSUS FOR BEACH: LO	NG BAY	
Table summarizes census	s data for each beach listed	l in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
Оролоз	Nest/Night (average)	Nest/Season (estimated)	Dates of conconon
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Negligible		June-September
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.16. NESTING C	ENSUS FOR BEACH: HO	G HOLE	
Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	Less than 1	September 1980
Lepidochelys kempi			
Lepidochelys olivacea			

	ENSUS FOR BEACH: GR				
Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	l sequentially.		
Species Number of Nests Dates of collection					
	Nest/Night (average)	Nest/Season (estimated)			
Caretta caretta					
Chelonia mydas					
Dermochelys coriacea					
Eretmochelys imbricata	Less than 1		June-October		
Lepidochelys kempi					
Lepidochelys olivacea					

	ENSUS FOR BEACH: MIL		
Table summarizes census	s data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Less than 1		June-October
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.19. NESTING CENSUS FOR BEACH: MACHIN BAY * Table summarizes census data for each beach listed in Table 3. Tables numbered sequentially. Species Number of Nests Dates of collection Nest/Season (estimated) Nest/Night (average) Caretta caretta Chelonia mydas Dermochelys coriacea Negligible Less than 1 August 1982 Eretmochelys imbricata Lepidochelys kempi Lepidochelys olivacea

^{*} *Editor's note (2009):* Spelled in original National Report as "Matching Bay" for this entry only; the Editor assumes it is a misspelling of "Machin Bay" as it occurs in other parts of the report.

TABLE 4.20. NESTING C	ENSUS FOR BEACH: IND	DIAN CREEK	
Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	1	Annual reports July
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.21. NESTING C		l in Table 3. Tables numbered	seguentially.
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Species	Number of Nests		Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Less than 1		June-October
Lepidochelys kempi			
Lepidochelys olivacea			

Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	sequentially.
Onnaina	Ni	n of North	Datas of collection
Species	Number of Nests		Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta	<u> </u>	ì	
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Less than 1		June-October
Lepidochelys kempi			

TABLE 4.22. NESTING CENSUS FOR BEACH: DIEPPE BAY				
Table summarizes census data for each beach listed in Table 3. Tables numbered sequentially.				
Species	Numbe	Dates of collection		
	Nest/Night (average)	Nest/Season (estimated)		
Lepidochelys olivacea				

	ENSUS FOR BEACH: TU		
Table summarizes census	s data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Less than 1		June-October
Lepidochelys kempi			
Lepidochelys olivacea			

	ENSUS FOR BEACH: RE		
Table summarizes census	s data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
•	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Less than 1		June-October
Lepidochelys kempi			
Lepidochelys olivacea			

Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Less than 1		June-October
Lepidochelys kempi			
Lepidochelys olivacea			

	SENSUS FOR BEACH: CO s data for each beach lister		mbered sequentially.
Species	Number of Nests		Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	-
Caretta caretta			
Chelonia mydas	Less than 1	5	May-August, October annually
Dermochelys coriacea	Negligible	Less than 1	April 1981
Eretmochelys imbricata	Less than 1	12	May-November inclusive; annually
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.27. NESTING C			
Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	2	May and June 1982
Lepidochelys kempi			
Lepidochelys olivacea			

i able summarizes census	data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Number of Nests		Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas	Less than 1	25	June-October, inclusive; annually
Dermochelys coriacea	Negligible	Less than 1	May-77
Eretmochelys imbricata	Less than 1	40	May-November; annually
Lepidochelys kempi			
Lepidochelys olivacea			

^{*} *Editor's note (2009):* Name of the beach "RIVER TO BILLY POINT (continuous beach)" is listed in the original National Report. However, TABLE 3. NESTING BEACH INVENTORY lists this beach as "Continuous"; see the 29th beach entry in Table 3.

TABLE 4.29. NESTING C	ENSUS FOR BEACH: NO	RTH BEACH	
Table summarizes census	data for each beach listed	l in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas	Negligible	2	June-October, inclusive; annually
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	8	May-October, inclusive; annually
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.30. NESTING CENSUS FOR BEACH: RABBIT ISLAND BEACH Table summarizes census data for each beach listed in Table 3. Tables numbered sequentially.					
Table Sullinalizes Cellsus	s data for each beach listed	Till Table 5. Tables humbered	i sequentially.		
Species	Numbe	r of Nests	Dates of collection		
•	Nest/Night (average)	Nest/Season (estimated)			
Caretta caretta					
Chelonia mydas	Less than 1	10	June-October,		
			inclusive; annually		
Dermochelys coriacea					
Eretmochelys imbricata			May-November,		
	Less than 1	15	inclusive; annually		
Lepidochelys kempi					
Lepidochelys olivacea					

		G POINT TO TWO FOOT BA in Table 3. Tables numbered	
Species	Numbe	r of Nests	Dates of collection
•	Nest/Night (average)	Nest/Season (estimated)	-
Caretta caretta			
Chelonia mydas	Less than 1	6	June-October, annually
Dermochelys coriacea			
Eretmochelys imbricata	Less than 1	10	May-November, annually
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.32. NESTIN	G CENSUS FOR BEACH: RU	IBBISH BAY			
Table summarizes cer	nsus data for each beach listed	l in Table 3. Tables numbered	sequentially.		
Species	Numbe	r of Nests	Dates of collection		
·	Nest/Night (average) Nest/Season (estimated)				
Caretta caretta					

TABLE 4.32. NESTING C	ENSUS FOR BEACH: RU	BBISH BAY	
Table summarizes census	s data for each beach listed	l in Table 3. Tables numbered	l sequentially.
Species	Numbe	r of Nests	Dates of collection
•	Nest/Night (average)	Nest/Season (estimated)	-
Chelonia mydas	Negligible	3	May-November, annually
Dermochelys coriacea			
Eretmochelys imbricata	Negligible	5	June-November, inclusive; annually
Lepidochelys kempi			
Lepidochelys olivacea			

	ENSUS FOR BEACH: CA data for each beach listed	STLE BAY in Table 3. Tables numbered	d sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	-
Caretta caretta	<u> </u>		
Chelonia mydas	Less than	9	June 15 to October, inclusive; annually
Dermochelys coriacea			
Eretmochelys imbricata	Less than	15	May to November, inclusive; annually
Lepidochelys kempi			
Lepidochelys olivacea			

	ENSUS FOR BEACH: WE add data for each beach listed	ELCH POINT BEACH I in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta	<u> </u>		
Chelonia mydas	Less than	8	June-October, inclusive; annually
Dermochelys coriacea			
Eretmochelys imbricata	1	14	May-November, inclusive; annually
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.35. NESTIN	G CENSUS FOR BEACH: PE	LICAN BAY	
Table summarizes cer	sus data for each beach listed	l in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
O p 00.00	Nest/Night (average)	Nest/Season (estimated)	Dates of concount
Caretta caretta			
Chelonia mydas	Less than	6	June-October, inclusive; annually

TABLE 4.35. NESTING C	ENSUS FOR BEACH: PE	LICAN BAY	
Table summarizes census	data for each beach listed	in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
	Nest/Night (average)	Nest/Season (estimated)	
Dermochelys coriacea			
Eretmochelys imbricata	Less than	10	May-November, inclusive; annually
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 4.36. NESTING C			
Table summarizes census	data for each beach listed	I in Table 3. Tables numbered	sequentially.
Species	Numbe	r of Nests	Dates of collection
·	Nest/Night (average)	Nest/Season (estimated)	
Caretta caretta			
Chelonia mydas			
Dermochelys coriacea			
Eretmochelys imbricata	Less than	2	October 1982
Lepidochelys kempi			
Lepidochelys olivacea			

TABLE 5. AERIAL BEACH SURVEY SUMMARY Give any additional information available from aerial surveys. Information should include ground truth observation if conducted. Date Beaches Surveyed Numbers of Nesting Tracks

Date	Beaches Surveyed			Numbers of Nesting Tracks					
		Сс	Cm	D	E	Lk	Lo	NO ID	
11 October, 1982	River to Billy Point (No. 24)*							8	
11 October, 1982	North Beach (No. 25)*							0	
11 October, 1982	Rabbit Island Beach							1	

Abbreviation
Cc
Cm
D
E
Lk
Lo

^{*} *Editor's note (2009):* Numbers in parentheses () appear in the original National Report; however, they do not correspond to the original numbering system depicted in Table 3 and Table 4.

TABLE 5A. AERIAL BEACH SURVEY SUMMARY (Supplementary page)

Give any additional information available from aerial surveys. Information should include ground truth observation if conducted.

Four of the 8 tracks on beach No. 24 (River to Billy Point)* were less than 24 hours old. The others were possibly as old as one week. No ground truth observation conducted.

^{*} Editor's note (2009): The "No. 24" in the identification of this beach listed in this supplemental table in the original National Report does not correspond to the number cited in Table 3 for the same beach.

Summarize the estimated nestimation on the next page		sting temales	for the years	s indicated ar	id describe if	ethods o
Species			Ye	ear		
	1982	1981	1980	1979	1978	1977
Caretta caretta	0	0	0	0	0	0
Chelonia mydas	39	NA*	NA	NA	NA	NA
Dermochelys coriacea	1	1	NA	NA	NA	NA
Eretmochelys imbricata	76	NA	NA	NA	NA	NA
Lepidochelys kempi	0	0	0	0	0	0
Lepidochelys olivacea	0	0	0	0	0	0

TABLE 6A. ESTIMATED POPULATION OF NESTING FEMALES (Supplementary page)

Please give brief details on methods of estimation for Table 6.

Estimate total nests and divide by 2.

TABLE 7. FORAGING AREAS INVEN	TORY		
Name of Area (or give coordinates)	Approx. Area (Km²)	Species Foraging (use abbreviations & approx. numbers)	Nature of Evidence (observation, fishery, incidental catch)
The whole of the continental shelf around Antigua and Barbuda is evidently a suitable foraging habitat for Cm and E year-round, whereas D is seen usually early in April and May and the young rarely, if ever, after hatching. N.B. jellyfish swarm in July and August coinciding with most D hatching.	3,400	Cm, D, E	Observation fishery. It is a rare sea voyage in the territorial waters of Antigua and Barbuda that one doesn't observe some Cm or E
Species	Abbreviation		
Caretta caretta	Cc		
Chelonia mydas	Cm		
Dermochelys coriacea	D		
Eretmochelys imbricata	E		
Lepidochelys kempi	Lk		
Lepidochelys olivacea	Lo		

TABLE 8. TURTLE SPECIES PRESENT ON FORAGING AREAS.

Please complete one of these tables for each of the areas identified in Table 7. Number each table as enumerated in Table 7 (7-1, 7-2, etc.).

Species						Мо	nth						Months of Greatest Activity
	J	F	М	Α	М	J	J	Α	S	0	N	D	
Caretta caretta													
Chelonia mydas	Х	Х	Χ	Х	Χ	Х	Х	Х	Χ	Х	Х	Х	
Dermochelys coriacea				Χ	Х	Х	Х	Х	Х	Х	Х	Х	
Eretmochelys imbricata	Х	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	
Lepidochelys kempi													
Lepidochelys olivacea													

Life Stage Unit	Species (abbrev.)*	Causes**	Extent of Mortality (% of Unit)
Nests/eggs	***	***	
Hatchlings	***	***	
Juveniles	***	***	
Adults (in water)	***	***	
Nesting females	***	***	
Species*	Abbreviation		
Caretta caretta	Сс		
Chelonia mydas	Cm		
Dermochelys coriacea	a D		
Eretmochelys imbrica	ta E		
Lepidochelys kempi	Lk		
Lepidochelys olivacea	Lo		

^{**} Natural mortality causes may include: Beach erosion of nests; egg and/or nestling predation by crabs, wild animals, seabirds, etc.; disease; sharks and other predators at sea, etc.

^{***} No reliable information available. However, no erosion takes place on nesting beaches. No evidence exists of crab predation of eggs nestings (sic) and there is no reliable observation of sea bird predation. No wild animals exist here. Tiger sharks have been caught with undigested carey in their stomachs. A large green was discovered dead on Dutchman's Bay - no apparent cause, save for growths where limbs joined carcass. Undoubtedly there is considerable predation by fish – groupers, snappers, etc. Recent reports of mongoose predation of hatchlings observed at Long Bay

TABLE 11. LANDING	SITES FOR TUP	RTLES AND TURTLE P	RODUCTS	
Name of Port or Site	Species Landed (use abbrev)	Fishing Gear Used	Months of Landings	Numbers & Weights (estimate)
1. St. John's	Cm, D, E	Nets	August-April	Not available
2. Parham	Cm, E	Nets	August-April	Not available
3. Valley Church Bay	Cm, E	Nets	August-April	Not available
4. Old Road	Cm, E	Nets	August-April	Not available
5. Codrington	Cm, E	Nets and boat chase	August-April	Not available

TABLE 11. LANDING SITE	S FOR TURTLES AND TURTLE PRODUCTS
Species	Abbreviation
Caretta caretta	Cc
Chelonia mydas	Cm
Dermochelys coriacea	D
Eretmochelys imbricata	E
Lepidochelys kempi	Lk
Lepidochelys olivacea	Lo

Do not include turties cat	ignt incit	dental to	otherns	shing operations (e.g., shrimp trawling)
Species	1982	1981	1980	Method of Determination
Caretta caretta				
Chelonia mydas	150	NA	NA	Estimate based on personal experience of fisheries officers and official and unofficial assistants
Dermochelys coriacea	1	1	1	Estimate based on personal experience of fisheries officers and official and unofficial assistants
Eretmochelys imbricata	250	NA	NA	Estimate based on personal experience of fisheries officers and official and unofficial assistants
Lepidochelys kempi				
Lepidochelys olivacea				

Species		Year		Type of Fishing Activity & Method of Estimation
	1982	1981	1980	
Caretta caretta				*
Chelonia mydas				*
Dermochelys coriacea				*
Eretmochelys imbricata				*
Lepidochelys kempi				*
Lepidochelys olivacea				*

TABLE TO. LIVII L	OYMENT DEPENDE	INT ON TOKTELS	
Activity	Total Annual Numbers of Persons	Est. Annual Income From Turtles	Comments
Fishing			*
Processing			*
Selling			*

^{*} No direct employment based on turtles. All turtles caught are incidental and marginal to lobster and fishing activities. A turtle is an "extra" to he who catches it.

TABLE 16A. EMPLOYMENT DEPENDENT ON TURTLES (Supplementary page)

In addition to marketed products, it is estimated that the following are taken annually from beaches or at sea for subsistence use:

A: Subsistence exploitation

1. Estimated number of eggs: 2,500

2. Estimated number of nesting females: 30

3. Number of turtles caught at sea: 20

B: Social aspects

In addition to the described fishery activities, exploitation of turtles may be permitted in some countries according to special rights or privileges extended to certain groups of people. If such specialized turtle exploitation exists, please give details (i.e., beach rights, ethnic traditions, specific seasons of the year, special permits, etc.).

None

TABLE 18. PUBLIC AND PRIV CONSERVATION/MANAGEM		NS CONCERNED WITH TURTLE
Institution or Organization Name And Address	No. of Active Members	Activities in Progress
Fisheries Department Antigua government	3	Supervising close season
No other institution but several individuals		 Compiling data Rearing to month old General conservation activities-lobbying, etc.

TABLE 20. REGULAT			
Indicate all entities with Coast Guard, etc.)	statutory responsibi	lities (e.g., Fisheries Dep	partments and Ministries, Police,
Name and Address of Organization	Budget Allocation to Turtles	No. of Staff Assigned to Turtles	Comments on Levels of Enforcement
Fisheries Department Point Warf St. John's Antigua		1	Regular bulletin on radio and newspaper against the taking of turtles and eggs during close season.

TABLE 20A. REGULATORY AUTHORITY (Supplementary page)

Please list National, regional, and local legislation concerning turtle management and conservation. List title, date, and stated purpose.

No. 17 of 1927

The Turtle Ordinance, 1927

ANTIGUA

No. 17 of 1927

An Ordinance for the Protection of Turtles and Tortoises

BE IT ORDAINED by the Governor and the Legislative Council of Antigua as follows:

- 1. This Ordinance may be cited as the Turtle Ordinance, 1927.
- 2. In this Ordinance the word "Turtle" shall be deemed not to include the Loggerhead Turtle (Thalasse chelyscaretta). "Tortoise shall include Land Turtle.
- 3.3 Any person who:
- (a) catches or takes, or attempts to catch or take, or causes to be caught or taken any turtle or turtle eggs between the first day of June and the thirtieth day of September both days inclusive.
- (b) at any time catches or takes, or attempts to catch or take, or causes to be caught or taken any turtle which is under twenty pounds in weight.
- (c) buys, sells or exposes for sale or has in his possession any turtle eggs between the first day of June and the thirtieth day of September both days inclusive.
- (d) catches or takes, or attempts to catch or take, or causes to be caught or taken any tortoise or tortoise eggs between the first day of June and the thirtieth day of September both days inclusive.
- (e) at any time catches or takes, or attempts to catch or take, or causes to be caught or taken any tortoise of which the length measures from neck scale to tail piece is less than ten inches.
- (f) has in his possession any tortoise eggs between the first day of April and the thirty-first day of July both days inclusive.

shall be guilty of an offense against this Ordinance, and, on summary convictions, shall be liable to a fine not exceeding Ten Pounds.

Power of Arrest

4. If any constable shall have reasonable grounds for believing that any person is committing or attempting to commit an offense against this Ordinance he may arrest such person without a warrant.

Forfeiture of Turtles, Tortoises, etc.

5. Any turtle or turtle eggs or any tortoise or tortoise eggs in respect of which any constable has reasonable grounds for believing an offense against this Ordinance has been committed shall be seized by such constable, and upon the conviction of any person for such an offence in respect of the turtle or turtle eggs or tortoise eggs seized, shall be forfeited.

Forfeiture of Nets

6. Any set, instrument or thing which any constable has reasonable grounds for believing is being or has been used for or in connection with the commission of any offence against this Ordinance, shall be seized by such constable, and any Magistrate may, upon the conviction of any person for an offence against the

Ordinance in connection with which set, instrument or thing as seized was used, order such set, instrument or thing to be forfeited.

of Fine to Informer

7. Upon any conviction under this Ordinance the Magistrate may order that a part of any fine imposed not exceeding a moiety be paid to any person or persons whose information led to such conviction.

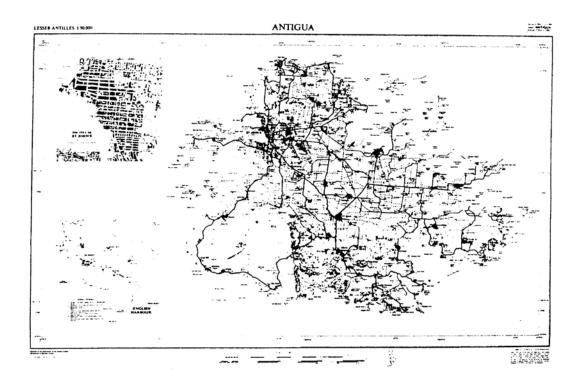
T.H. St. Johnson President

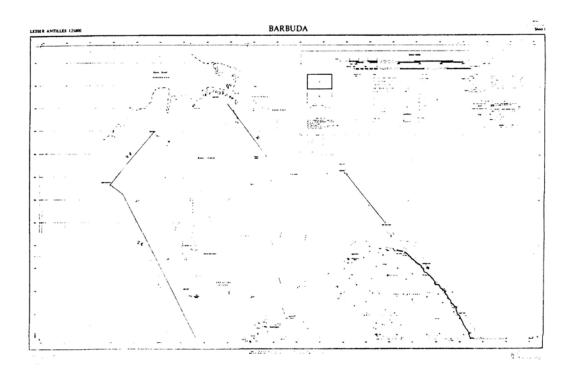
No. 17 of 1927 The Turtle Ordinance, 1927

Passed the Legislative Council the 30th day of June, 1927

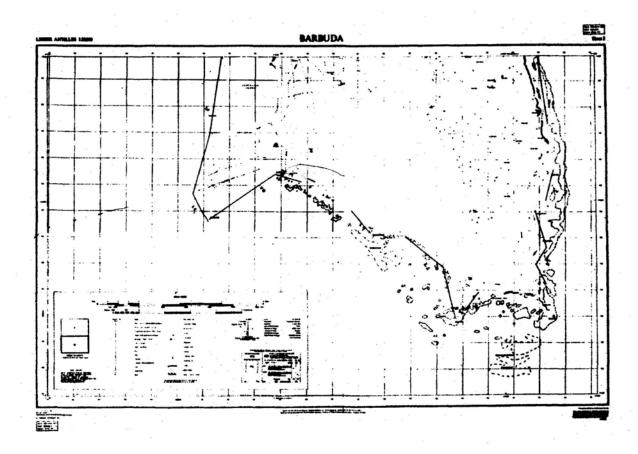
E.P.S. Bell, Clerk of the Council

Figure 1. Antigua and Barbuda – W.A.T.S. National Report Study Area.¹





¹ Editor's Note (2009): Maps and figures are reprinted exactly as they appear in the original WATS I Proceedings (Bacon et al. 1984); we regret the poor quality exhibited in some cases.



THE NATIONAL REPORT REPORTE NACIONAL



A AND BARBUDA



NATIONAL REPRESENTATIVE/REPRESENTAN

DAVEN JOSEPH

Simposio de Tortugas del Atlantico Occidental Western Atlantic Turtle Symposium

17-22 July/Julio 1983 San Jose, Costa Rica



MESTERN ATLANTIC TURTLE SYMPOSIUM

San Jose, Costa Rica July 1983 NATIONAL REPORT FOR THE COUNTRY OF

ANTIGUA AND BARBUDA

NATIONAL REPORT PRESENTED BY

Daven Joseph The National Representative

Ministry of Lands, Agriculture Address: C/O Permanent Secretary Lands and Fisheries

St. Johns, Antigua

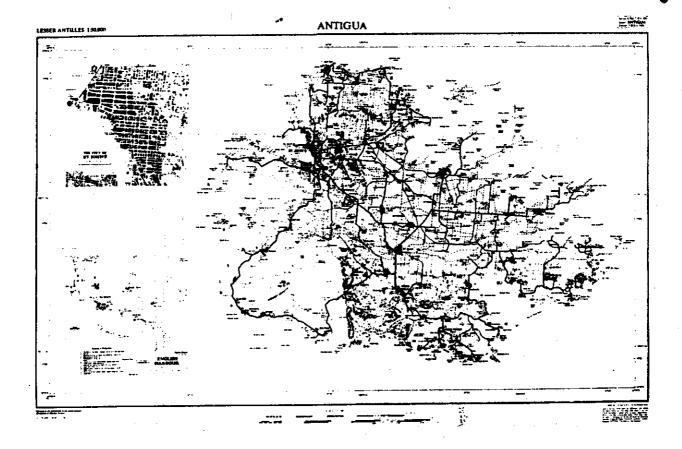
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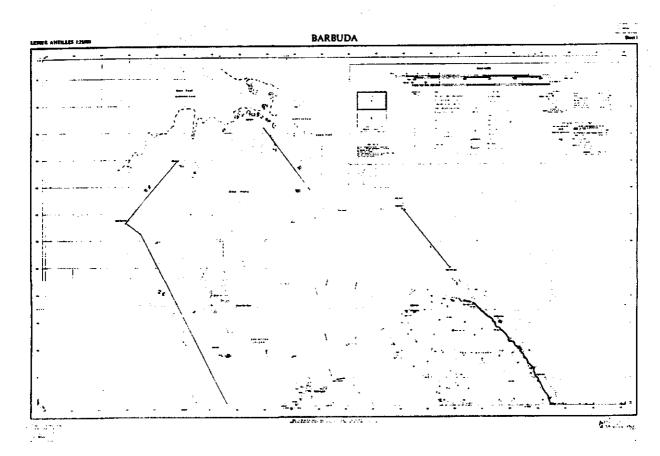
Hr. DAVEN JOSEPH (PISHERIYS OFFICER)

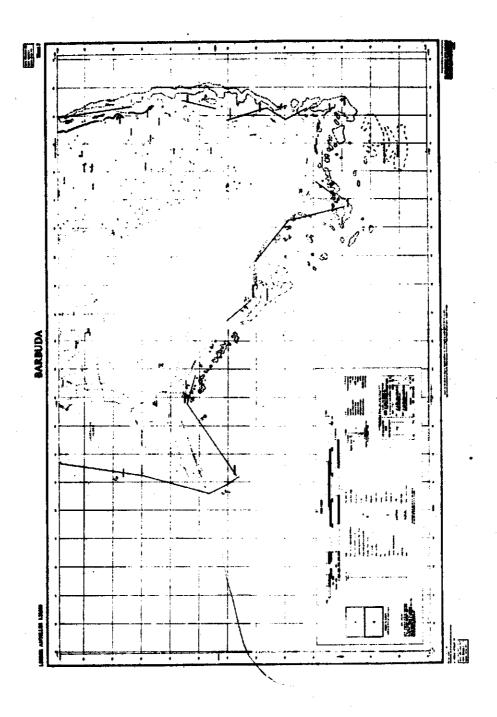
Hr. JOHN FULLER (SEA TURTLE CONSERVATION: Mr. Rays Garacho Gustas Aware,

DATE SUBMITTED: March 2, 1981

Please submit this MATIONAL REPORT no later than 1 December 1982 to: 10C Assistant Secretary for 10CARIBE, % UNDP, Apartado 4540,







Larry Afficula . 166 k.v. Barbuda . 113 k.v.	tample of toestitan"	me of Constituental Smalf Area	Separat Extent of Jaritedictions:	Servitorial Sea	Ernanded Scenaric Dans	Planetias JartadictiasRoTS,	oner (bucries)
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FIG. 1. CONSIDERED TO ANTICULA AND BAINTING AS 2 jailed State, the third being Redends which fermissed because its countline, being all vertical stone is masuitable for any turtle habitet of algalifonance. We constitue of for any turtle habitet of algalifonance. We constitue of satigms and Barbuda as legalifonance, where for 2 small satigms and marine turtle habitet. We winder the all mainly for marine turtle problet. We winder the antitue of all as a feet in baltet for anisoted marine turtle species and all as a feet in the messurement of the matical beamfary

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a significently election	8	67.5	-96-5
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~	*	16.5	72.9.
A View on Decompt Doth, elsen	51.1	7.7	77.2
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		0	1
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* Refer to SEA TWENTE WANNEL SHOWING SHOWING OF BOX (See TANNEL)

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DE OF BEAD!	March M	species against	MONTHS OF RECUIDED RESTING
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e Owetsia Blaff		•	April
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g. Bartwood Boach	ø.	44	August
6. Pryve Ray	4	100	August
2. Valley Charek Bay	•		- June
6. Poerno	٠		MA
9. Pinekin Bey	ş	40 y	Jees, July
Pressure Bry	3.0	64	October
N.			i Mail to be and the second

THEE S. MESTING MEACH SPREATURE SECURIOR. List beaches in prographic securior. Previous additional information on following page.

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SPECIES RESTING	24141	8 4 4 4	242	110	8 4 2	24.00	2002	8	4
E SE	,	7 2	4	4	-	4	4	1.5	
BANE OF BEACH	18 Georg Paint Monch	Spenish Vell Pelec 19(Centineus Beach.	20 Porth Beach	24 Rabbit taland Beach Reg Point to two	22Fest Bay (Inclusive)	Simplish for	Pecartie Say	25Heleh Peint Bosch	26 Polices Day
MONTHS OF RECONDER RESTING	Hay, April	April	June July	June, July	July Juse + or relate	August	- fut		
SPECIES MESTING the abbreviations?*	4		M & Ca	343		a			•

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MESTING DEACH INTERTORY List beaches in peographic sequence. Provide additional information on following page,

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MESTIM DEACH ENGENTRY List beaches in perpraphic sequence, Freside additional information on following page,

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27 Spenish Poist

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MESTING BOOK INCOME? (Application) map) THE 3.

Please give additional information about much musting beach identified in Table 1. Extent information on color of same, marticle size, beach profile, beckened respication, artificial lighting, sec.

Googset Booch - white - fibe 50-150 vine & Gross- 110:10 Spenish Well Point - white - fine 5 -15 Glass & Shrubj

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North Death - Walte - Redium 5º Green & wine no lights * *

Not Point to Nos Post Ray- White - medium 5° 30° Grass win .

Rubbick Bay - white - Fredius 5°-10° Grass Avine,ne lights

Oastle May - Matte - Nedim 100-300 .. 4 4 4

Policies Bay - white - Hedins - 5°-20° Grees & vise no light Species Point - White - Redins 5° 2 2

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MESTINE NEACH INVENTORY (Supplementary page)

Fleets give additional information about much macting based identified in Table 3. Include information and color of want, particle size, seach particle, backbased vegetation, artificial lighting, stc., larving Bay - Beige - Fine 5°-10° Genes included at 18812 2. Currain Bluff - Beige - Fine 5°-10° Genes included at 18812 3. Earlie Bay - Beige - Fine 20°-10° Grass included at 18812 5. Earlie Bay - Beige - Fine 20°-10° Grass included at 18812 5. Earlie Bay - White - Fine 5°-10° Grass & Trree as 18812 5. Earlie Bay - White - Fine 10°-15° Grass & Trree as 18812 5. Format a garde - Fine 10°-15° Grass & Trree as 18812 5. Format a beige - Fine 10°-15° Grass & Trree as 18812 5. Formation Bay - Beige - Fine 10°-15° Grass & Trree as 18812 5. Formation Bay - Beige - Fine 10°-15° True was a short being 10°-10° True & Grass & Trree beight 10°-10° Brits & Grass & Trree beight 10°-10° Brits & Grass & Trree beight 10°-10° Grass & Tree is sirabs - Beighting 20°-10° Grass, Tree & three Tree beight 10°-10° Grass, Tree & three Tree Bay 10°-10° Grass & Tree & three Grass & Tree & t 1044466666554545 \$ \$\$\$\$ **\$** \$\$\$

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Rechim Ray - white - medium 5°-10° grass and when -so lights Indian 2rest - belie - medium 10° grass - so light Visdant Ray - belie - fine 10°-15° see grass i wins -Moppe hey - bodgs - postum 10-15" see greps t vise ä

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TABLE 3.

					MONEY OF THE PARTY	
	U NAMEN U	MUMBER OF MESTS			140/11/21/2	Marts/Sente (Estimated)
SPECIES	Marts/Night (Angrage)	Mests/Season (Estimated)	DATES OF DATA COLLECTION	3) DAC: [2]		
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				Carles areas		\\ \ <u>\</u>
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Brrachelm carteces	1 E		:	The state of the s		:
Erstmethalies Mariesta	patientle	•	Jane /10 1.	terifectals tend		
Lepidechelys benyt	i	:		Lantachelys of lysess		
Lapidachelys elivacia						

Places complete and of these tables to summarize centus data for each basch listed in Table 3. Number tables sequentially (4-1, 4-2, 4-3, etc.) as owner-sted in Table 3. THALE 4 - 3. MESTERN CENSUS FOR BEACH

Nest Charles ANY 1972

Please complete one of these tables to summerize content data for each basch listed in Table 3. Remark tables semestilly (4-1, 4-2, 4-3, 462.) As manufact in Table 3. CHIPPATH BLUP THALE 4 . 2. HESTIRG CENSUS FOR BENCH

	NAU.	AUBER OF RESTS	
SACIES	Macts/Might (Average)	Mests/Sesson (Estimated)	DATES OF DATA COLLECTION
Gertle certle			
Statute weter			
Demochelys carleon			
Erstmethelys tehricals	Feg 15751e	less them 1	October 1976
Laridoteira bergi			
Legitochelm elivaces			

THALE 4 .. 3 MESTING CENSUS FOR BEACH MORDITS, BAY

Pimes complete non of these tables to summerize centur data for much boach listed in Table 3. Number tables requestially [4-1, 4-2, 4-3, 40c.] so enumerated in Table 3.

yearly reports in July and August from Fisher-BATES OF BATA COLLECTION Estimated) RESER OF HESTS ... Hegitgible Rests/41900 (Average) Erymetelm imriceta Legisticially of types Opraechelys ceriocos Lagidedelin tent SPECTES Gertia serita मिन मन्त्र

THRE 4 - 4 WESTING CITIES FOR SCHOOL CRADE WILL BAL

Places complete and at these tables to summarize consust date for each beach listed in Table 3. Number tables sequentially (4-1, 4-2, 4-3, etc.) as semanated in Table 3.

	Wach,	NUMBER OF ARSTS	
SPECTES	Insta/fileht (Amerage)	Nests/Sources (Estimeted)	DATES OF DATA COLLECTION
thing mith			,
Optimis gries			
Semechelin, serieces			
Entrepelis tericale	segligible	lose than 3	June 1981
Legidochelyn haupi		•	
Legiechelyz effvaces			

BATES OF BATA CRLECTION

MARLER OF MESTS

SPECTES

Gretin gertte

JELS 1980

Jose then 1

-

Bermscholzs cerieses Erstmecholzs interiesta

Legisterin best

THULE 4 - 5 MESTING CENSUS FOR BEACH

1

Please complete one of these tables to summerize conses data for each boach listed in Table 3. Namer tables sequentially {4-1, 4-2, 4-3, efc.) as encounted in Table 3.

		JN
		R BENCH TREES IN
Les decision of traces		TABLE 4 - 4. NESTINE CISSIS FIRE BELIEF
<u>"</u>	!	Ī

Please complete are of these tables to summerize consec data for each beach litted in Table 3, human tables consecuted (4-1, 4-2, 4-3, etc.) as measurated in Table 3.

	MAREN	MAMBER OF MESTS	
SPECIES .	Nests/Hight (Average)	(Pestanted)	DATES OF DATA COLLECTION
काशक काशक			
Chelenia metas			
Bertechalys carfeces			
Eretmechebrs tehricalia	- metigible	less than 1	June 1962
Legi Spiche bys. hampi			
topidechelys eliveces	!		

THALE 4 - 2. MISTING CENSUS FOR MINOR VALLET CHURCH MAY

Places complete one of these tables to summerize consustating for each both 1944st in fable 3. Number tables sequentially (4-1, 4-2, 4-3, 443.) or enumerated in Table 3.

	13 9 01	MUSER OF RESTS	
SPECIES	Masts/Wight (Average)	Mests/Sepson (Estimated)	CANTES OF CATA CIR. Person
Gritte gritte			
Chelmis mates	Berliefble		July 1982
Dermochelys cariness			TGAT AND
interchein intrigia	Regiscible		July 1962
Lastderholm base			June 1981
Legidechelys elivaces			

THALE 4 - A. WESTING CENSUS FOR BEACH

Please complete one of these tables to summerize comes data for each beach listed in Table 3, humber tables sequentially (4-1, 4-2, 4-3, etc.) on enumerized in Table 3,

1

STOREST OF MESTS	Installity (Systemated) (Systemated) parts of para Chilection			The second secon		THALE 4 - 10 HESTING CITEGO PTR BEACH
	NOMES OF RESTS	(Bathated) BATES OF BATA COLLECTION		سنبي		
		Masts/Night (Average)		***	Lastacheirs benef	

TABLE 4 - 9 MESTING CEREAS FAR BEACK (Amer.)

(Amer.)

Floats complete one of these tables to summerize center data
for each beach listed in Table 3. Medice tables sequentially
(4-1, 4-2, 4-3, etc.) as summerized in Table 3.

Please complete one of these twins to temmerize center data for each back little in Table 3. Namber tables sequentially (4-1, 4-2, 4-3, 96c.) or memorated in Table 3.

FS15 Festification [Estimated]		1961 1941	loss than 1				F. B. BAT
	String string	Contrate grafts	berechelts terletet	interest in include	Last decholas land	Landacteire offreces	MATCHART B BAT
	DATES OF DATA COLLECTION	Ì		april and Noy 1981			

less than 1

Fegligible

Dermotelyn carlaces

Engineers interleate

Legistroplys offyscon

Landacholy Level

Heats/Season (Estimated)

SPECIES

Caracta caracta Casteria great

MARCH OF MESTS

TREE 4 - 12 MESTING CONSUS FOR MERCH (need) (need)

THE 4 - 31 HESTING CERSUS FOR SCICH STATE BAT

Please complete one of these tables to summerize certain data (or each beach listed in Table 3. Number tables sequentially (4-1, 4-2, 4-2, 4-2, atc.) so enumerated in Table 3.

					۱
	CICH AL MINE	M. 512			
8940168	Rests/Might (Average)	Mests/Season (Estimated)	DATES OF BATA COLLECTION	SMCIES	
Caretta caretta				Gretta garetta	
Chelante meta	Pertire ble	•	June, July	Challenia meta	-
bermachelys carlaces				Personaliza garteen	
Entradeln terlate	Registite.	•	June, July Tearly	Crimedally, Intrigit	•
Laridately head				Layldscholzs lengt	
Legidechelys elfreces				Legidochelys elitaces	

346113	(Average)	(Estimated)	PATES OF DATA COLLECTION
Gretta geretta			
Onleris Brits	- State State		June , July
Remachelys perison			A Lawyell V
Crimedialis intrigis			dune, July
Lasidachelm basel			TTTOONE
Lantechelys elivaces			

Apple of ACSTS

NAMER OF PESTS	Mastryflight Nerts/Seaten BATES OF DATA COLLECTION (Asserted)						
	SPECIES	Gratte courts	Chalenie metas	Dermichelys carleon	Erytwechelft, tehristit	Lasidectelin tami	Lugidocholys of traces

	13PA	MARKER OF HESTS	
SPECIES	lles ts/41 ght (Average)	Mests/Seeson (Estimated)	DATES OF DATA COLLECTION
Garatta spretta			
Chelenia greine			
Dempchelys certaces			
Enterchelys tehring	Pegligible	loge them l	Beptember 1980
Lasidacheles homel			
Legidodelys offveces			

			:		1 1 2	RESTS		
	RESTR OF HESTS	g mests			Spets/Hight	Mes to/Season	NATES OF DATA COLUECTION	
	Nes ts/Night	Nests/Seaton (faithmind)	DATES OF DATA COLLECTION	SPECIES	(Average)	15367		
SACTIES	(Argrays)			Caretta caretta				-
Grette certite		!						
				Oslenia artis				
Chelents Tribit								
				Devrachelys cariotte			June - October	
Dermochetys certocos					less than 1		,	_
	less than.1		June - December	ET-STATE THE PARTY		-		
Eretmechelys tehricate				Landandary temp				
11				Leptdechelys eliveral				-
Layldechelys eliveces								
				TABLE 4. 18 HESTING CONSUS FOR BEACH		mill Rest	•	
THAN 5 4. 17 MESTING CENSUS FOR BEACH	T BEACH Grean 1	Grenn Liberd	•			ì		
		ì		Please onelete	and of these tubles to	Summerize compus date		
Please omplete	Please complete and of these tables to summerize resust data one made heart lighted in [mile 3, Number tables sequentially	numerica centas data er tables sementially		(F. 6.5, 6.3, 6.3,	for each beach listed in Table 3. Number tables separation; (4-1, 4-2, 4-1, atc.) as memorated in Table 3.	Lable 3.	1	

DATES OF DATA COLLECTION ANGUSE 1992	SPECIES GATES GATES GAINES MASS GAUNCHES MASS ENTRECHES MASS ENTRECHES MASS LANGES MASS	Marty Or MESTS [Average] [Average] [Average] [Average]	Mesty (Section (Cityleated)	dared Reports de
	Laridichelm elfreese			

less then 1

Registible.

Erstmehelft intricate

byrachilis cerioces

Laristotelm elivien

Laufdechelm baret

Hamilton Maria (delimated)

Rests/Right (Augrape)

SMCIES

Contact servite

TABLE 4 - 24. MISTING CIRCUS POR BERON: INDIAN CREEK (mass)

Fluore complete one of these tables to summerize consecting for each based listed in Table 3. Number tables sequentially (4-1, 4-2, 4-2, 4-2, 4-1) as memorabed in Table 3.

Please complete one of these tables to summerize census data for each boach listed in Table 3. Number tables sequentially (4-1, 4-2, 4-3, etc.) as encounted in Table 3.

THALL A - 24, MENTING CERESE PAR BENCH TAXEDINES BAY (mms)

3-21

	STEE STEE STEE STEE STEE STEE STEE STEE	Gerth serite	Delett gets	Dermecholys garlesse.	Interest mertate	Lepidechelte tempi	Lepidachelys elitaces
	DATES OF DATA COLLECTION				June - October		
Boath or sesse	Mas is /Sanson (Estimated)	***************************************					
USA4	Nests/Hight (Average)			less then			
	SPECIES	Greek greek		Democholys cariocos	tremplein the late	Landachelys elfraces	

DATES OF DATA COLLECTION

fatte/Sense (Extimated)

(Americae)

ROBER OF MESTS

June - October

lose than 1

THELE 4. PLANSTING CITIES FOR BEICH

Please complete one of these tables to summarize census data for each back listed in Table 3, Mandor Lables sequentially (4-1, 4-2, 4-3, etc.) as enumerated in Table 3,

		W BEACH DIABON BAY
Lopidachelys tomes	Lapidachelys officeces	TABLE 4 - 22 MESTING COIGUS FOR BEACH
	1	

Please complets one of these tables to summerize compact data for each booch listed in Table 3, Number tables sequentially (4-1, 4-2, 4-3, etc.) as enumerated in Table 3,

DATES OF DATA COLLECTION

June - Octaber

1000 than 1

			***************************************	•
				L _
	to Date of the	F 145343		
SMCIES	Rests/Right (Average)	Nests/Sesson (Estimated)	DATES OF DATA COLLECTION	
Gratte certie				3
Delenis gette				8
Demochelys sprinces				2
Eretmodie) in include	less than 1		June - Octabler	
Lepidechalys benei				<u> </u>
Legidochelys elfvaces				3

	COLLECTION	Carette carette	Che len in make	Dermechebrs carlesse	Erotmecholys, Induleste	Legistroly tent	Laridechelys elfraces	
	Nests/Sesson (Estherted) DATES OF DATA COLLECTION					Tage 150 - Aug -		
MANGER OF NESTS	Nests/Hight Nests/ (Average) (Est				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	SHORS	Grafte cerette	Orient grees	Demochality syriacas		<u>!</u> 	Lapidachelys elivaces	

Revilence Box TABLE 4 - 24 NESTING CENSUS FOR BEACH

Please complete and of these tables to summerize conser data for each leach fitted in Table 3. Number tables separatially (4-1, 4-2, 4-3, etc.) so commercial in Table 3.

Please complete one of these tables to summerles consys deta for each beach listed in Toble 3. Number tables sequentially (6-1, 6-2, 6-3, etc.) as onemerated in Table 3.

THELE 4 - 23 WISTING CENSUS FOR BEACH THAT IS BAY

National National Contests of Date of Contests	Resignation of MESTS [Georgean Georgean Georgean	!				
) WHATH	F WESTS	•	
Friedly Long than 1 June - Actale f.	been. Jose than 1. Jose than 2.		Mests/Might (Average)	Nests/Seston (Estimated)	DATES OF DATA COLLECTION	SPECIES
briebli 1000 than 1 Jone Chan 1	lects. Jose then 1 Jose then 2 Jame - October.	ank				Carpita caretta
Merces June Datable C. June Datable C. June Datable C. June June Datable C. June June Datable C. June Datable	Messa June Line than 1 June Databer.	Caratta caratra			!	Coelents greet
Jane Derteber.	Jase then 1	Challenia medas				
Jose than 1	Jose than 1	Parameter confects				Dermitten III Earling
José than 1	Jose than 1	100	.,	1		Cremetel I tari
		Englandelm impricate	1000 than 1		June - October	Last extentes tent
		Legidochelys bampi				Lestenchelys eliv
		Lept dechalys elivaces			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

(aure) (aure)
--

	MINGRER OF HESTS	F MESTS	
2010345	Mests/Hight (Average)	Neg ts/Suesan (Estimated)	DATES OF DATA COLLECTION
Carette carette			see June July, August
Cholents grifes	less than 1	. 5	October, Assestly
Dermichelys carfects	Registatore.	less than 1	April 1981
Ergunchelft inbeleift	L and that 1	ส	give Assually
Landachelys templ			
Lastechelys eliverse			

MESTING CENSUS FOR MESSON COOKS POINT (name)

Figure complete are of three tables to summarize conver sale for each beach litted in Table 3. Namber Eables sequentially (4-1, 4-2, 4-3, etc.) as enumerated in Table 3.

	DATES OF DATA COLLECTION				May an June 1982		
MAGEN OF MESTS	Nests/Season (Estimated)				2		
	Nests/Hight (Average)				Registible		
	SPECIES	Gentle cerette	Chalenta press	Dermachelys certaces	Erstmechelft febrichte	Lesistenin bent	Legidochelys elivaces

THEE 4 - 30 MESTIMS CENSUS FOR BOXON SEARCHS WILL POINT.

(neme)

Fleets complete and of these tables to summarise centus date
for mach beach listed in Table 3. Norther tables sequentially
(4-1, 4-2, 4-3, etc.) as memorated in Table 3.

BATES OF DATA COLLECTION	Jane - October (inclu- nice) - Anguelly Flay 1977	
F MESTS Massification (Eschapted)	20 set 2	
Marsey of MESTS (2)	Lans than L Beglieble Loss than L	
1	Cartta certta Calunta meta bermedultz seriesa (remedultz seriesa Lantacaltz bert Lantacaltz elivees	

| AMALE 4 - 20 MENTION COURSE FOR MEDICAL METALE AND ACCUSATION (communication) (communication

	ulbry	ANDER OF MENTS	
SPECIES	(aberamy) (metrops)	Mestal/Senson (Estimated)	MIES OF DATA COLLECTION
Gretta caretta			
Orients meter	Recipitate	. ~	June - Octaber (smolu- mive - Assestly
Serupcholys curleces			
Erotmachalys tearing to	ž,	ec.	Hay - October (Inclu- sive Asswally
Lepidscheller lempt			
Legislachelys elivaces	:		

June - October (incluaive Assuelly

2

Jane Shen 1

BATES OF DATA COLLECTION

Maste/Season (Estimeted)

Bests/#ight (Amerage)

Carletta ceretta

RESTS OF MESTS

Ray - Sevesber (inclu-

give Assessity

2

less than 1

Erefrechelys interioris

Leefbebelm bergi

breachelys cerisons

TABLE 4 - 29 NESTING CENSOS FOR BEACH

[[[]

Pleasa complete and of these tables to summerize conservation for each back fisted by faithe 3. Number tables sequentially (4-1, 4-2, 4-3, 4-2.) as enumerated in Table 3.

	PARRIT ISLAND REACH
Lagidachelys elivaces	TABLE 4 - \$0_ MESTER CITEUS FOR BEACH
	7

Please complete one of these tables to summerize consers data for each beach listed in Table 1. Number tables sequentially (4-1, 4-2, 4-2, 41c.) as memorated in Table 1.

	J ASBANY	NUMBER OF NESTS	
secits	tests/Hight (Average)	Hests/Season (Estimated)	DATES OF DATA COLLECTION
Careta careta			
Delete gets	Less than 1.	٠	Annually
Ownschelys certices			
Entrachelys telestate	legg then 1	q	Hay - Tevenber Apaselly
Lepidechalys kempf			
Legidechelys oliveces			

TABLE 8 - 21, HESTING CENSUS FOR MESCH TOOG POINT - THE STOCK BAX

Please complete one of these tables to summarize consus data for each batch listed in Table 3. Number tables sequentially (4-1, 4-2, 4-3, etc.) as annumerated in Table 3.

	MUBER	NUMBER OF NESTS	
SPECIES	Mests/Hight (Average)	(Fallmaile)	DATES OF DATA COLLECTION
जिल्हा स्थानका			
Cholesty meter	segligible	*	May to Bov. ammaily
Dermethelm certaces			
Errimechalse Sabricata	secticible.	•	Juse to Rev. incl.
Leefdeftelbe bengt			
Legidadelys offwaces			

TABLE 4 - 22 MESTING CENSUS FOR SEACH

î

Please complete are of these tables to summarise conses ato for each beach listed in Table 3. Number tables separatelly (4-1, 6-2, 6-3, stz.) as enumerated in Table 3.

	MAMEN OF HESTS	r egsts		
	Wasts/Hight (Augree)	Nests/Senon (Estimoted)	DATES OF DATA COLLECTION	S)U348
anax				Graft graft
واستريا وسيرو			- to be feet total	
Delete with	less the	•	atvo namedly	Celenta Tella
				and the second
Semechelys certisons				
	less that	ສ	May to Nov inclusive	Interching terlette
Maria Timoma				Landscholzs bent
Legidechelrs tempt				1
Legidachelys elfraces				

June to Out. includers

Manage

less than

MITS OF SATA CALLECTION

Mests/Social (Estimated)

Mats/Might (Average)

NUMBER OF MESTS

Hay to Nov. Includive

-+

Places complete and of these tables to summerize context data for each back litted in Table 2. Number tables sequentially (4-1, 4-2, 4-3, 4-1, etc.) so enumerated in Table 3. Ī THE 4 - 23, MESTING COINS FOR BUNCH GASTLE BAT

THALE 4 - 24 MESTINE CITEDES FOR BEACH WELCH POLINY HEACE apidechelys elivaces antendelm bent

Pleas empiriz and of these tables to summerize consus data for made based listed to find 3. Number tables sequentially (4-1, 4-2, 4-3, 441.) as unmarrited in Table 3.

	(3 96)	WEER OF MESTS	
#CC123	Rests/Hight (Ameropa)	Hester/Source (faction tool)	BATES OF DATA COLLECTION
Gentle gentle			Tone to Oat, includive
Chalmin grain	less than	•	Vilana
Dermocheirs coriscos			Haw to Boy, includive
(retaphelin tabricate	less then	9	Ullaman
Lesidotelly tem!			
Legistely offices			

Please complete and of these tables to summerize consex data for each beach listed in Table 3, Number tables requestially (4-1, 4-2, 4-3, etc.) as enteredad in Table 3. TABLE 4 - 25 MESTIMS CENSUS FOR SCHOOL SECTIONS BAT

	NAMER OF MESTS	FIESTS	
SICHE	Nests/Might (Average)	Heats/Season (Estimated)	BATES OF DATA COLLECTION
Caretta caretta			
Celesta gres.			
Sprinchelys carleon			
(remobility include	less than	2	-
Lagidachelys bauet			
Lastdachelys elfraces			

please complete one of these tables to tumperize tents data for each back litted in Table 3, mander tables securitifly (4.1, 4.2, 4.3, 90c.) as enumerital in Isbin 3. SPANISH ROLL THEE 4 - 25, WISTING COOKS THE BEACH

			Š	8 9	EST IN	NAMERS OF RESTURE TWORK	2	
PATE	BEACHES SURVEYCE	3	3	9	£	n	3	2
9'01'11	NITE SO SUITE BOIRS (No.24)							•
3,212,6	EDUTE, MACE (\$6.25)	-	l					þ
11,10.8	PARTY TELATO, MADE	1						4
		-	1	l				
						1		ŧ
		_ [-		-		-	
		ĺ						
					1			1_
_		1	į	1				

Bive any additional information profilmic from sorial surveys. Information should include ground truth observation it conducted.

DALE S. ACRIAL DEACH SHRVEY SHOULD (Supplementary page)

4 of the 8 Erects on beach No. 30 were less than

In laura old. The others were possibly as old as one week. To ground trath observation conducted.

Special information entitled from serial Carellan information entitles being pround truth Oreignstand.
AERIA, MERCH SURMEY SURMAY Give any additional informati surveys, Information shauld deservation if cambectod.
TABLE 5.

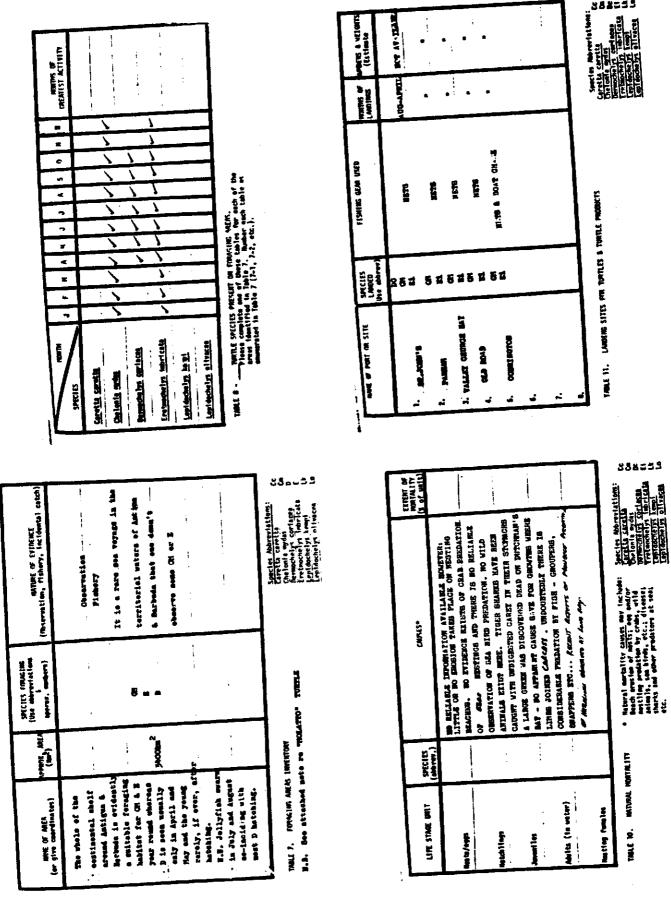
35-	-25
Species Abbreviations:	fretmochelys tearleste
Caretta caretta	Levidechelys kempt
Chelonia mydas	Lanidechelys allvana

PERIES VIDE	ž.	1961	1980	1979	1978	1977
	0	0	0	0	0	0
Octonia gales	8	1.1.	M.A.	1	4.1	A.R.
Dyrmchelys carlects	**	~	1.1.	F.A.	7.8	:
Eretmodelys intricata	8	1	7.	1.4.	1	1
torideckin tent	٠	• <u>.</u>	۰	0	•	-
Lafpénchelys alfváces	0	0	0	٥	0	0

TABLE 4, ESTRAINS PROLICITIONS OF MEXITUR FPALEY.
Summarine the extension number of exciting formales
for the yearn tedicated and describe nethods of estimation
on the mest page.

TABLE 4. ESTIMATED POPULATIONS OF RESTING FEMALES. (Supplementary page)

Please give brief details on matheds of estimation for Table 6.



ANTIGUA

Bo. 17 of 1927

An Ordinance for the Protection of Turtles and Tertoises.

ME IT ORDAINED by the Governor and Legislative Council of Antique as follows:-

1. This Ordinance may be cited as the Turtle Ordinance, 1927.

Shert Title.

2. In this Ordinance the word "Turtle" shall be deemed not to include the Legger head Turtle (Thelassochelyscaretta).
"Tortelse" shall include Land Turtle.

Interpreta

- catches or takes, or attempts to catch or take, or causes to be caught or taken any turtle or turtle wags between the first day of June and the thirtiath day of September both days inclusive. (a)
- at any time catches or takes, or attempts to catch or take, or causes to be caught or th' a egy turtle which is under twenty pounds in weight.
- buys, sells or exposes for sale or has in his peasessies any turtle og's between the first day of June and the thirtiath of September both days inclusive. (±)
- catches or takes, or attorpts to catch or take or causes to be caught or takes any tertoise or tertoise aggs between the first day of April and the thirty-first day of July beth days inclusive,
- at any time catches or takes, or attempts to catch or take, or causes to be caught or taken any tarteles of which the length measured from seck scale to tail piece is less than ten inches,
- has is his possession any tertoise eggs between the first day of Arril and the thirty-first day of July both days inclusive,

shall be guilty of as offence against this Ordinance, and, on summery conviction, shall be liable to a fine net exceeding few Peusda.

4. If any constable shell have reasonable grounds for believing that any person is committing or attempting to commit an offence against this Urdinance he may arress such person without a warrant.

5. Any turtle or turtle eggs or any terteise or terteise eggs in respect of which any constable has re-senable grounds for believing an effence egginst this Ordinaces has been consisted shall be esized by such constable, and upon the conviction of any person for each effence in respect of the turtle or turtle eggs or terteise or terteise eggs sei_e', shall be forfeited.

Perfeiture of turtle, terteise, e'c.

6. Any net, instrument or thing which any constable has reasonable grounds far believing is being or has been used for or in connection with the commission of any effence against this Ordinance shall be saised by such constable, and any Registrate may, upon the conviction of any person for an offence ag inst this Ordinance in cancetion with which such net, instrument or thing constitution of the formal of

7. These any conviction under this Ordinance the Hagistrate may order that a port of any fine imposed set exceeding a selety be paid to any person or persons whose information led to such conviction.

Heisty of fine to infermer

T. R. ST.JOHTSON. President.

No. 17 of 1927 The Turtle Ordinance, 1927

Passed the Legislative Council the 30th day of June, 1927.

E. P. S. BELL, Clerk of the Council.

THE OF FISHING ACTIVITY & METHOD OF SYTHATION FREGLOISER INCIDENAL CARCH HOOF THEFT GARDER AND SPANISH WHEN INVESTIGES TO SE CAUCHT ST FREGERIUM.

ESTIMATED INCIDENTAL TURTLE CATCH Give estimated members and/or velgits. Ë

OF PLEASURE OF LOCK OF DETERMENTION UNCATICIAL 8 GEFICIAL & CIPERIENCE BETHATE ŝ 8 1 1 Ī 1 1 3 ş 8 : 3 tericate Widerlin elivers Mela certeces Ĭ MCIG PARTY I Here

AND METOMS (N/Kg) to other LABBINES IN NEWERS AN less caught incidental t (e.g., shring trauling) FREE TO COLUMN T

THALE 16. EMPLYMENT DEPENDENT ON TURTLES (Supplementory page)

In addition to marketed products, it is estimated that the following are taken annually from beaches or at see Norsabelstance ase:

A: Subsistance exploitation

CHINETIS

EST, AMEDIL INCOME FAMI TOPTILES

ACTIVITY

Fishing

Proceeding

Se il a

1. Estimated number of eggs: 2500

2. Estimated member of mesting females: 30

3. Number of turtles caught at see:

4. giner:

D: Secial aspects

In addition to the described fishery activities, comprise application of tarties may be pervited in some pountries according to special rights or privileges matement to certain grouns of mospie. If such special sarries and problem as sists, please give details (i.e., boach rights, abbit traditions, specific seasons of the year, special permits, etc.).

ACTIVITIES - A TURILE IS AN "EXPRA" TO

ME VITO CATCHEES IT.

PARCINAL TO LOBSTER AND PIGHTHG

NO DIECT HEFLOTHEN'S BASED OF TOURISM AND AND AND TOURISM OF TOURISM AND TOURI

THALE 16. DIPLIPMENT DEPENDENT ON TURTLES

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ACTIVITIES IN PROPRIESS	EGETATIBIES CLOSE SEASOR	1. COUNTILIES BATA 2. SEARCHS TO FOOTH OLD. 3. COUNTAL CONSERVATION ACTIVITIES - Labbying. etc.	
ACTIVE STATES	•	! ::::::	
INSTITUTION OR ORDANI ZATION WAYE AND ADDRESS	engines sertifier	po orter institutios no gerenal institutado.	

TABLE IA. SOMETE AND SOTVATE INCTITUTION CONSTITUTE WHEN FINESWATER PARTIC FINESWATER PARTICULAR FOR THE PARTICULAR FOR FOR THE PARTICULAR FOR THE PARTICULAR FOR THE PARTICULAR FOR THE

JENNEZHARZ (DE STRAIT DE SANCHOLIC	Regular bulletin on radio and newspapers against the taking of turnios and eggs during close reason,		:	
M OF STAFF ASSIGNED TO THRITES	1	:		
OUDET ALINCATION TO TURTLES			:	
NAME AND RECES OF CROMM 2011ON	Finheries Dept. Point Wharf Bt. John's Antigus		:	

THREE ZO. REBRAITMEN AUTHORITY INTO THE PROPERTIES (e.g., Fisheries Departments and Indicate all antities with statedary responsibilities (e.g., Fisheries Departments and Himisteries, Police, Cost Chard, etc.)