

**WIDECAST – “Digitizing WATS: A Unique Baseline for Current Conservation Efforts in the Western Atlantic Region”**

INTERIM REPORT to the NOAA National Marine Fisheries Service  
NOAA/NMFS P.O. WC133 F07SE4058 ~- FINAL REPORT, 30 June 2010

<b>Project Description</b>	Digitizing WATS Databases and Proceedings
<b>Principal Investigator</b>	Karen L. Eckert, Ph.D.
<b>Lead Organization</b>	WIDECAST: Wider Caribbean Sea Turtle Conservation Network
<b>EIN / DUNS Numbers</b>	33-0751451 / 014642230
<b>Project Duration</b>	1 August 2007 – 30 June 2009 (extended to 30 June 2010)
<b>Contract Amount</b>	\$39,760

**FINAL REPORT**  
**NOAA / NMFS P.O. WC133 F07SE4058**

**A. Project Summary**

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 Western Atlantic Turtle Symposium followed in Puerto Rico four years later (12-16 October 1987). WATS I featured National Reports from 43 political jurisdictions; 36 presented at WATS II (Table 1).

A quarter-century has passed, and the national reports, databases, survey results, invited presentations, panel discussions, and recommendations of these historic meetings have been largely lost to science and to a new generation of managers and conservationists. As researchers become aware of the WATS databases, which are increasingly valuable as time passes, they contact WIDECAST for assistance in mining these records for data concerning international trade, bycatch, sea turtle landings, exploitation attributed to foreign fishers, threats operative at that time, survey and population estimate data, aerial habitat assessments, the location of active nesting beaches and foraging grounds, etc.

Working from original manuscripts archived in the WIDECAST library, the project will help to ensure that the constituent data are not lost to science, but rather made available in a format able to inform contemporary conservation, management and policy. To the end, the project has created electronic (pdf) files of all material associated with the WATS forums, including national reports, databases, proceedings, recommendations, and annotated literature reviews.

**B. Project Description**

**1. Statement of Need**

The first Western Atlantic Turtle Symposium (WATS) opened in San José, Costa Rica, on 17 July 1983 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.”

**Table 1.** Countries presenting National Reports to WATS I (1983) and WATS II (1987).

<b>Country or Territory</b>	<b>WATS I</b>	<b>WATSII</b>
Anguilla (GB)	X	X
Antigua & Barbuda	X	
Aruba (NL)	X	X
Bahamas	X	
Barbados	X	X
Belize	X	X
Bermuda (GB)	X	X
Bonaire (AN)	X	X
Brazil	X	X
British Virgin Islands (GB)	X	X
Cayman Islands (GB)	X	X
Colombia	X	
Costa Rica	X	X
Cuba	X	
Curacao (AN)	X	X
Dominica	X	X
Dominican Republic	X	X
French Guiana (FR)	X	X
Grenada	X	X
Guadeloupe (FR)	X	X
Guatemala	X	X
Guyana	X	
Haiti	X	X
Honduras	X	X
Jamaica	X	X
Martinique (FR)	X	X
Mexico	X	X
Montserrat (GB)	X	X
Nicaragua	X	
Panama	X	X
Puerto Rico (US)	X	X
Saba (AN)	X	X
Saint Kitts & Nevis	X	X
Saint Lucia	X	X
Saint Vincent & Grenadines	X	X
Sint Eustatius (AN)	X	X
Sint Maarten (AN)	X	X
Suriname	X	X
Trinidad & Tobago	X	X
Turks & Caicos Islands (GB)	X	
US - Texas & Florida	X	X
US Virgin Islands (US)	X	X
Venezuela	X	X

The organizers clearly intended that “the data derived from the National Reports will serve as a starting point for the identification of critical areas where it will be necessary to concentrate all efforts in the future [and] the contributions resulting from the next five days of work will set the guidelines for multiple future actions.” Sadly, that intention was never realized and the proceedings of these historic meetings have been all but lost to science and conservation. Their unique importance in providing baseline data – especially as regards the status of nesting beaches a generation ago – remains unrecognized, and their potential as a “starting point” is neither known nor appreciated.

The project will fill an important gap in Caribbean record-keeping, and ensure that data collected nearly 25 years ago associated with surveys of everything from habitats to retail markets to fishers is placed into the public record in a way that will maximize its usefulness and help to ensure that whatever value these data might have in setting “guidelines for future actions” is not lost forever.

## **2. Goals and Objectives**

- Contribute historical data to contemporary national and regional studies of Caribbean sea turtles, including information related to critical habitat, population estimates, exploitation and trade, economics of sea turtle fisheries, conservation law and enforcement, and more;
- Ensure that information collected in preparation for WATS I and II is not lost to science, and that it fulfills whatever potential it might have relative to providing a “forum for the exchange of experiences among scientists, administrators, and individuals interested in making contributions for the preservation of this important natural resource”;
- Protect the legacy of the WATS proceedings – and the efforts of more than 40 nations that contributed to them – by making them openly and publicly available;
- Create maps! Enhance and extend the usefulness of historical place-based data by using modern GIS tools to create a regional digital landscape of active nesting beaches, foraging grounds, landing sites and other geo-referenced information currently buried in more than one thousand pages of reports, notes and proceedings; and
- Inform efforts to execute recommendations of national management plans and intergovernmental agreements that call for compiling and assessing data that shed light on historical population trends.

## **3. Achievements**

Working from WIDECASST’s archive of the original documents, we scanned and edited, often with a hand lens, thousands of pages of information. These included the “published” National Reports to WATS I (e.g., see Figure 1) and the unpublished National Reports to WATS II which we were able to identify both from our own archives and from research and contacts in-country.

Each National Report contributed to WATS made an attempt, based on current knowledge at the time, to characterize and summarize the following information:

- Geographic inventory
- Coastal habitat inventory of marine shoreline
- Marine habitat inventory of bottom types
- Nesting beach inventory
- Nesting census for beach
- Aerial beach survey
- Estimated populations of nesting females

- Foraging areas inventory
- Turtle species present on foraging areas
- Non-foraging turtles at sea
- Natural mortality
- Landing sites for turtles and turtle products
- Total annual turtle landings in numbers and weight
- Estimated incidental turtle catch
- Estimated turtle catch for foreign fishermen
- Official statistics of turtle production
- Official statistics of turtle catch and production
- Employment dependent on turtles
- Turtle mariculture operations
- Public and private institutions concerns with turtle conservation/management/utilization
- Sanctuaries and refuges
- Regulatory authority
- National research projects

Standard data forms were provided by the WATS Secretariat, in an attempt to unify and make cross-compatible the data submitted. Unfortunately, particularly in the case of WATS I, most data forms were completed by hand, poorly photocopied by conference organizers, and then reduced and "published" (Bacon et al. 1984a) in a nearly indecipherable format. We have included a typical example – the original National Report submitted by St. Lucia, along with the clean digitized copy created by the project – with this Final Report. See Figure 1 for an excerpt.

**Figure 1.** Tables 2 & 3 from the St. Lucia National Report to WATS I (Murray 1984). On the left is the original document, on the right is the project's refreshed digital copy.

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MARINE SHORELINE CHARACTERISTICS*	Km of SHORELINE		TOTAL
	UNDEVELOPED	DEVELOPED**	
1. Sand Beach (Total)			21,975
A. High Energy			
B. Low Energy			
2. Reef (exposed)			
3. Rocks			
4. Cliffs			57,075
5. Vegetation (Total)			
A. Vines			
B. Grasses			
C. Mangroves			
D. Coconut Trees			
E. Other Trees or Shrubs			
F. Marshes			
6. Mouths of Lagoons, Rivers, Canals			1,300
7. Total Shoreline			190,975

TABLE 2. COASTAL HABITAT INVENTORY OF MARINE SHORELINE. \* Refer to SEA TURTLE MANUAL (Aerial Survey) Human development or use (See MANUAL)

NAME OF BEACH	LENGTH IN KM	SPECIES NESTING (Use abbreviations)*	MONTHS OF RECORDED NESTING
1. Grand Anse	1.60	D	May, June, July
2. Caribbe	0.21	E	August
3. Anse Ger	0.25	D	June
4. Anse Troumassee	0.12	D ?	June
5. Trou l'Oranger	0.09	Cm, E ?	June, July
6. Anse Micoud	0.71	E ? D ?	June
7. Anse Chastanet	0.25	Cm, E	July
8. Denney	0.37	E	July, August
9. Anse de Sables	2.41	Cm ? E ?	?
10. Anse Commarotte	0.19	Cm ? E ?	May, June, July ?
11. Honeymoon		Cm, E	?
12. Fond d'Or	0.97	Cc ? D ? E ?	?
13. Anse Lapis	0.55	Cc ? E ?	?

TABLE 3. NESTING BEACH INVENTORY. List beaches in geographic sequence. Provide additional information on following page.

Species Abbreviations:  
 Caretta caretta Cc  
 Chelonia mydas Cm  
 Dermochelys coriacea D  
 Eretmochelys imbricata E  
 Lepidochelys kempi Lk  
 Lepidochelys olivacea Lo

Marine Shoreline Characteristics*	Km of Shoreline		Total
	Undeveloped	Developed**	
1. Sand Beach (Total)			21,975
A. High Energy			
B. Low Energy			
2. Reef (exposed)			
3. Rocks			
4. Cliffs			57,075
5. Vegetation (Total)			
A. Vines			
B. Grasses			
C. Mangroves			
D. Coconut Trees			
E. Other Trees or Shrubs			
F. Marshes			
6. Mouths of Lagoons, Rivers, Canals			1,300
7. Total Shoreline			***80,350

\* Refer to SEA TURTLE MANUAL (Aerial Survey)  
 \*\* Human development or use (See MANUAL)  
 \*\*\* Editor's note (2009): Shoreline Total was corrected from values given in the original National Report to reflect accuracy in summed values. Original National Report listed Total Shoreline as 190,975 Km.

Name of Beach	Length In Km	Species Nesting (use abbreviations)*	Months of Recorded Nesting
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3. Anse Ger	0.25	D	June
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Species\* Abbreviation  
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 Dermochelys coriacea D  
 Eretmochelys imbricata E  
 Lepidochelys kempi Lk  
 Lepidochelys olivacea Lo

I, along with Dr. Ron and Dr. Rhema Bjorkland (Rhema was an original WATS contributor!), who together undertook the major tasks of scanning and editing the documents, submitted a poster to the International Sea Turtle Symposium in 2008, summarizing the project (Figure 3). The intent was to draw attention to the effort and to encourage colleagues to contribute archived materials.

Figure 3. Poster accepted to the 2008 international Sea Turtle Symposium.



## Digitizing WATS Databases and Proceedings: A Unique Baseline for Current Conservation in the Western Atlantic Region

**Karen Eckert, Ph.D. (Executive Director, WIDECAST at Duke University)**  
**Ron Bjorkland, Ph.D. (Consultant, WIDECAST at Duke University)**  
**Rhema Kerr Bjorkland (Center for Marine Conservation at Duke University)**

### BACKGROUND

For more than two decades the Wider Caribbean Sea Turtle Conservation Network (WIDECAST), with County Coordinators in more than 40 Caribbean nations and territories, has linked scientists, conservationists, fishers, managers, educators, policy-makers and commercial stakeholders together in a collective effort to develop a unified management framework, and to promote a regional capacity to design and implement scientifically sound sea turtle conservation programs.

WIDECAST has been engaged by NOAA, on this 25th Anniversary of the First Western Atlantic Turtle Symposium, to bring to our collective remembrance the important information arising from the historic meeting of Caribbean Fisheries Officers.

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 Western Atlantic Turtle Symposium opened in Puerto Rico four years later (12-16 October 1987). WATS I featured National Reports from 43 countries and territories, 36 presented at WATS II.

These National Reports summarize all data available at the time concerning international trade in sea turtle products, bycatch, and turtle landing/excitation attributed to foreign fisheries, natural and man-induced threats, surveys and population estimates, serial habitat assessments, and the location of critical habitat (e.g. active nesting and foraging grounds).

A quarter-century has passed, and the National Reports, databases, survey results, invited presentations, panel discussions, and recommendations of these historic meetings have been largely lost to science and to a new generation of managers and conservationists. While most of the original manuscripts are archived in the WIDECAST library, they are often unusable because of the hand-written format of the Proceedings (see insert). Thus, their usefulness is limited.

### OBJECTIVES

- Contribute historical data to contemporary national and regional studies of Caribbean sea turtles, including information related to critical habitat, population estimates, exploitation and trade, economics of sea turtle fisheries, and conservation law enforcement.
- Ensure that information collected in preparation for WATS I and II is not lost to science, and that it fulfills whatever potential it might have relative to providing a "forum for the exchange of experiences among scientists, administrators, and individuals interested in contributing to the preservation of the important natural resource".

### OUTPUTS

The project will create electronic files (.pdf) of all material associated with the WATS forums, including National Reports, databases, proceedings, recommendations, and annotated literature reviews. These will be made publicly available at Internet sites associated with NOAA and with WIDECAST.

### ACKNOWLEDGEMENTS

We are grateful to NOAA for funding, and to Sheryan Eggerly (Sea Turtle Team Leader, NOAA National Marine Fisheries Service, Miami) for her support and collaboration!

### SIGNIFICANCE

The reports and databases that comprise the National Reports and Proceedings of the first and second Western Atlantic Turtle Symposium are an important part of the historical literature in the region. The text provides unique insight to the known distribution and abundance of nesting, as well as data sets available at the time related to trade and commerce, sea turtle landings, threats, legislation and law enforcement, and anecdotal information on public views towards sea turtle conservation and status a generation ago. Watch for the Proceedings to become available later in 2008!

### ACKNOWLEDGEMENTS

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We are grateful to NOAA for funding, and to Sheryan Eggerly (Sea Turtle Team Leader, NOAA National Marine Fisheries Service, Miami) for her support and collaboration!

As each document was identified, scanned, closely edited for scan errors (which were not infrequent), and formatted in a unified scheme, an insert was designed and embedded in each report to describe and credit the project. Again, using St. Lucia as an example, these are included as Figure 4 and 5.

**Figure 4.** Insert to the digital National Reports submitted to WATS I.



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; 36 nations 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:*

Murray, P.A. 1984. National Report for Saint Lucia, pp.370-380. *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*

St. Lucia National Report, WATS I Vol 3, pages 370-380

**Figure 5.** Insert to the digital National Reports submitted to WATS II. Note that the digital reports to WATS I credit the original compiled proceedings (Bacon et al. 1984a), but the National Reports to WATS II were never compiled or distributed. This will be the first time they are publicly available.



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Despite the potential value of this information to agencies responsible for conducting stock assessments, monitoring recovery trends, safeguarding critical habitat, and evaluating conservation successes in the 21st century, the National Reports submitted to WATS II were not included in the published proceedings and, until now, have existed only in the private libraries of a handful of agencies and symposium participants. To help ensure the legacy of these symposia, we have digitized the entire proceedings – including National Reports, plenary presentations and panels, species synopses, and annotated bibliographies from 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 can be cited (with the number of pages based on the layout of the original document) as:*

Charles, V. 1987. National Report to WATS II for Saint Lucia. Prepared for the Second Western Atlantic Turtle Symposium (WATS II), 12-16 October 1987, Mayagüez, Puerto Rico. Doc. 065. 9 pages.

Karen L. Eckert  
WIDECAST Executive Director  
June 2009

Saint Lucia National Report to WATS II (1987)

The project's accomplishments followed the work plan (below); details are summarized in Appendix I.

<b>Description</b>	<b>Status (Oct08)</b>	<b>Status (Apr09)</b>	<b>Final (Jun10)</b>
Identify talented Data Entry and GIS technicians	Complete	Complete	Complete
Assemble and make available to the technicians the published WATS proceedings, national reports, database files, annotated literature reviews and all other relevant records from WIDECAS T archives	Complete	Complete	Complete
Provide the technicians with a complete roster of WATS Delegates and their current contact information, or the contact information of other local experts that can provide insight into original text which may be unclear or unintelligible, and who can confirm the location of named beaches, foraging grounds, etc.	Complete	Complete	Complete
Transcribe WATS proceedings and all related datasets	In progress	Complete	Complete
Proof-read the transcription to ensure its fidelity	In progress	WATS I Complete WATS II In progress	Complete
Identify all geo-referenceable data within the proceedings and related datasets and create standardized national maps to visually display historical references to critical habitat, estimates of population abundance, landing data, etc.	In progress	WATS I In progress WATS II, Not yet	See "Disappointments"
Confer/ consult with WATS Delegates or other experts to review the transcribed text and confirm the accuracy of the transcription – as well as the new maps – prior to the information being made public in electronic form	In progress	WATS I Complete WATS II In progress	Complete
Create internet-based interface for the WATS proceedings and all related information at WIDECAS T's website	To be completed	In progress	Pending NOAA approval of project outputs
Repatriate all national reports, historical records and map files in electronic format to national stakeholders, including the agencies that participated in the symposia, and make the final product available to original WATS partners, donors & hosts (e.g., IOCARIBE, NOAA, FAO)	To be completed	WATS I In progress WATS II, Not yet	Complete
Announce the availability of the newly accessible proceedings and related information to Caribbean governments, NGOs, academic institutions, and relevant intergovernmental entities	To be completed	To be completed	Pending NOAA approval of project outputs
Submit Final Report to NOAA/NMFS		To be completed	Completed

#### 4. Disappointments

One of the objectives of the project was to use GIS tools to construct maps for each national report that utilize constituent data to display nesting beaches, foraging grounds, landings, and other notations convertible to a geo-referenced format. In the end this could not be accomplished. An excel spreadsheet was created for each country submitting a National Report to WATS I (these files are included in the CD accompanying this Final Report), but there was so much variation in the contributed data, so little geo-referenceable information (e.g., the local names of many beaches and landing sites have changed over the decades), and such vagueness in much of the information related to foraging areas (e.g., south side of the island), that the task quickly became busywork with no discernible science-based outcome.

#### C. Next Steps

We will wait for NOAA's review and approval of the outputs, and then the entire product will be posted to *www.widecast.org* and cross-linked as desired to websites maintained by NOAA/NMFS Office of Protected Resources, UNEP Caribbean Environment Programme, the US Fish and Wildlife Service, IOCARIBE, and the IUCN Marine Turtle Specialist Group to facilitate maximum exposure and use. The WATS proceedings, reports and baseline survey data will remain a permanent feature of WIDECAS'T's website, ensuring the sustainability of the product.

Several documents came to light during the project that would be useful to include in the new digital archive. These include reports to WATS II, for which there is no published record (the proceedings feature species synopses, plenary sessions and discussion, and poster presentations; Ogren et al. 1987). These reports cover topics such as survey methodology (e.g., surveys in seagrass and reef habitats), research results (e.g., hatchery for eggs from turtles butchered at the abattoir in Limon, Costa Rica), tagging records, literature bibliographies, trip reports, and issue overviews (e.g., head-starting). To complete the archived record of these important meetings, it would be useful to have a follow-up grant to scan, edit, format and make these documents publicly available.

#### D. Financial Report

DESCRIPTION	APPROVED BUDGET	SPENT BUDGET
Transcribing WATS Proceedings/ Reports/ Surveys		
• Data Entry Technician (\$200/day x 100 d)	\$20,000	\$20,000
• Proof-Reader (\$200/day x 10 d)	\$ 2,000	\$ 2,000
• Coordination (\$300/day x 10 d)	\$ 3,000	\$ 3,000
National GIS Maps		
• GIS Technician (\$200/day x 45 d)	\$ 9,000	\$ 9,000
Webmaster (\$300/day x 5 d)	\$ 1,500	\$ 1,500
<b>SUBTOTAL</b>	<b>\$35,500</b>	<b>\$35,500</b>
Indirect (@ 0.12)	\$ 4,260	\$ 4,260
<b>TOTAL</b>	<b>\$39,760</b>	<b>\$39,760</b>
Balance Remaining		\$00.00

## **E. Literature Cited**

Bacon, P., F. Berry, K. Bjorndal, H. Hirth, L. Ogren, and M. Weber (Eds). 1984a. Proceedings of the Western Atlantic Turtle Symposium, 17–22 July 1983, San José. Volume I. RSMAS Printing, Miami. 306 pp.

Bacon, P., F. Berry, K. Bjorndal, H. Hirth, L. Ogren, and M. Weber (Eds). 1984b. Proceedings of the Western Atlantic Turtle Symposium, 17–22 July 1983, San José. Volume II: Annotated Bibliography of Sea Turtle Research in the Western Atlantic. RSMAS Printing, Miami. 318 pp.

Bacon, P., F. Berry, K. Bjorndal, H. Hirth, L. Ogren, and M. Weber (Eds). 1984c. Proceedings of the Western Atlantic Turtle Symposium, 17–22 July 1983, San José, Costa Rica. Volume III: The National Reports. RSMAS Printing, Miami. 514 pp.

Murray, P.A. 1984. National Report for Saint Lucia, pp.370-380. 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

Ogren, L. (Ed.-in-Chief). 1989. Proceedings of the Second Western Atlantic Turtle Symposium. NOAA Technical Memorandum NMFS-SEFC-226. US Department of Commerce. 401pp.

Appendix I.

**SECOND INTERIM REPORT SUPPLEMENT 1 -- Digitizing WATS Databases and Proceedings: A Unique Baseline for Current Conservation Efforts in the Western Atlantic (NOAA/NMFS P.O. WC133 F07SE4058)**

<b>WATS I</b>		<b>October 2008 / April 2009 / April 2010</b>					
	Description	TASKS					Comments
		Scan historical document <sup>1</sup>	OCR + edit	Create database <sup>2</sup>	Proof-read <sup>3</sup>	In-country review & approve	
Vol I (ENG)	Meeting Report	√	√	N/A			
Vol II (ENG)	Bibliography	√	√	N/A			
Vol III (ENG)	National Reports						
	Anguilla	√	√	√	√	√	
	Antigua & Barbuda	√	√	√	√	√	
	Bahamas	√	√	√	√	√	
	Barbados	√	√	√	√	√	
	Belize	√	√	√	√	√	
	Bermuda	√	√	√	√	√	
	Brazil	√	√	√	√	√	
	British Virgin Islands	√	√	√	√	√	
	Cayman Islands	√	√	√	√	√	
	Colombia	√	√	√	√	√	
	Costa Rica	√	√	√	√	√	
	Cuba	√	√	√	√	√	
	Dominica	√	√	√	√	√	
	Dom. Republic	√	√	√	√	√	
	French Guiana	√	√	√	√	√	
	Grenada	√	√	√	√	√	
	Guadeloupe	√	√	√	√	√	
	Guatemala	√	√	√	√	√	
	Guyana	√	√	√	√	√	
	Haiti	√	√	√	√	√	
	Honduras	√	√	√	√	√	
	Jamaica	√	√	√	√	√	
	Martinique	√	√	√	√	√	
	Mexico	√	√	√	√	√	
	Montserrat	√	√	√	√	√	
	NethAnt & Aruba	√	√	√	√	√	
	Nicaragua	√	√	√	√	√	
	Panama	√	√	√	√	√	
	Puerto Rico	√	√	√	√	√	
	St. Kitts & Nevis	√	√	√	√	√	
	St. Lucia	√	√	√	√	√	
	St Vincent & Gren	√	√	√	√	√	
	Suriname	√	√	√	√	√	
	Trinidad & Tobago	√	√	√	√	√	
	Turks & Caicos	√	√	√	√	√	
	US	√	√	√	√	√	
	US Virgin Islands	√	√	√	√	√	
	Venezuela	√	√	√	√	√	

**WATS II**

	Description	TASKS					Comments
		Scan historical document <sup>1</sup>	OCR + edit	Create database <sup>2</sup>	Proof-read <sup>3</sup>	In-country review & approve	
<b>Proceedings</b>	<b>Meeting Report</b>	√	N/A	N/A	Nov. 30	N/A	
	<b>National Reports</b>						
	Anguilla		√	See <sup>2</sup>	√	√	
	Antigua & Barbuda <sup>4</sup>						
	Bahamas						
	Barbados	√	√		√	√	
	Belize	√	√		√	√	
	Bermuda	√	√		√	√	
	Brazil	√	√		√	√	
	British Virgin Islands	√	√		√	√	
	Cayman Islands	√	√		√	√	
	Colombia						
	Costa Rica	√	√		√	√	
	Cuba						
	Dominica	√	√		√	√	
	Dom. Republic	√	√		√	√	
	French Guiana	√	√		√	√	
	Grenada	√	√		√	√	
	Guadeloupe	√	√		√	√	
	Guatemala	√	√		√	√	
	Guyana						
	Haiti	√	√		√	√	
	Honduras	√	√		√	√	
	Jamaica	√	√		√	√	
	Martinique	√	√		√	√	
	Mexico	√	√		√	√	
	Montserrat	√	√		√	√	
	NethAnt & Aruba	√	√		√	√	
	Nicaragua						
	Panama	√	√		√	√	
	Puerto Rico	√	√		√	√	
	St. Kitts & Nevis	√	√		√	√	
	St. Lucia	√	√		√	√	
	St Vincent & Grenadines	√	√		√	√	
	Suriname	√	√		√	√	
	Trinidad & Tobago	√	√		√	√	
	Turks & Caicos						
	US	√	√		√	√	
	US Virgin Islands	√	√		√	√	
	Venezuela	√	√		√	√	

Scan historical document<sup>1</sup>: Scanned document without any editorial changes to preserve copy of information as originally input

Create database<sup>2</sup>: Excel spreadsheet; this isn't really useful and was not carried through to WATS II documents

Proof-read<sup>3</sup>: Used a magnifying glass and much patience!

Grey-font<sup>4</sup>: Did not contribute a National Report to WATS II