

# Developing strategies for global and regional sea turtle status assessments: perspectives from the MTSG membership



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- One of the responsibilities of the Marine Turtle Specialist Group (MTSG) is to conduct global status assessments of sea turtle species, to be included in the IUCN-World Conservation Union's Red List of Threatened Species.
- There has been recent debate about the value of the IUCN Red List for illuminating population trends on regional and national scales
- As part of its Sea Turtle Assessment Strategy, the MTSG will launch a regional sea turtle assessment initiative for all species in all regions
- To ensure that the strategies employed in this effort are reflective of the attitudes and ideas of its membership, the MTSG leadership circulated a Red List Questionnaire to membership during the second half of 2006.
- A total of 50 respondents from 23 countries provided input on 10 questions
- This poster summarizes the results of this MTSG Red List Questionnaire and highlights some of the key aspects that MTSG members believe are necessary for developing the most effective regional assessments for sea turtles.

## What is the IUCN Red List?

- Report on Extinction Risk for ~18,000 animals and plants
- Uses quantitative criteria to calculate a species' change the global abundance or its probability of extinction
- Flags species that are doing poorly
- Currently lists hawksbills, leatherbacks, and Kemp's ridleys as Critically Endangered, green turtles, olive ridleys, and loggerheads as Endangered, and flatbacks as Data Deficient.

## In a nutshell, what do MTSG member's think?

*The majority of respondents said that the MTSG should only undertake regional assessments if they are included in the Red List, yet only 10% believe that the MTSG should follow IUCN's guidelines for regional assessments. This underscores the need to discuss an alternative approach with IUCN.*

1. How familiar are you with the Red Listing system and with assessments in general?

not at all familiar	somewhat familiar	very familiar
2%	60%	38%

For responses to Questions 2-10 summarized by respondent familiarity with Red Listing, please visit the MTSG website (<http://www.iucn-mtsg.org/>).  
(note: since multiple options could be selected, tallies per category ≥ 100%)

2. Done properly, a Red List Assessment requires broad consultation and can take hundreds of hours to complete. Considering the enormity of the task and the high demands for volunteer-power, please describe your thoughts about MTSG efforts in Red List assessments.

- MTSG spends too much time on Red Listing	12%
- MTSG spends just the right amount of energy	62%
- MTSG spends too little time on Red Listing	20%

3. Should MTSG undertake regional assessments, even if they are not included in the IUCN Global Red List Database?

- Regional assessments are not necessary	12%
- Necessary only if included on Red List	62%
- Necessary regardless of Red List	20%

## Section B: Options for regional assessments

Even if you think regional assessments are unnecessary, please answer Questions 4 - 10 assuming that regional assessments will be pursued.

4. What is an appropriate population segment for a regional assessment?

- By nesting beach	16%
- By genetic uniqueness (i.e. stock)	34%
- By geographic region	50%
- None of the above	8%

5. What is an appropriate temporal starting point that a regional assessment should use for characterizing population abundance changes?

- As far back as possible w/ extrapolations	16%
- 3 generations back w/ extrapolations	20%
- Earliest point with data, w/o extrapolation	60%
- Other	10%

6. Three approaches to regional assessments are possible: i) the MTSG could adopt existing IUCN criteria for regional assessments, ii) the MTSG could develop its own set of criteria to be applied in all regional assessments, iii) the MTSG could adopt a flexible approach, describing the regional situation as much as possible and then placing a region in a particular category on a consensus basis. Which of these possibilities do you think is best?

- Follow existing IUCN regional assessment criteria	10%
- Develop MTSG-specific criteria	46%
- Adopt a flexible, non-standardized approach	42%
- Other	4%

7. Should regional status assessments describe the Extinction Risk of a population or simply focus on change in population abundance?

- Extinction risk only	4%
- % Change in abundance only	8%
- Both	88%

8. Should MTSG assessments use the same status categories as the IUCN Red List (e.g. Critically Endangered, Endangered, Vulnerable) or devise new terms that are different from those currently used in the Red List (e.g. Severely Reduced, Reduced, Reduced but Increasing, Conservation Dependent. This list is an example only and choosing option c below does not imply approval of this list).

- Be consistent with IUCN	56%
- Use some but not necessarily all IUCN labels	28%
- Develop all new labels	8%
- Other	10%

9. In your opinion, what components should be included in a regional status assessment?

- Quantification of abundance changes	92%
- Description of ongoing threats	86%
- Conservation recommendations	78%

10. Should the precautionary principle enter into presentation of the data or be excluded. (An example of precautionary principle would be to list a subpopulation at the greatest threat category possible based on existing information)

- Followed as much as possible	56%
- Followed where appropriate	36%
- Never followed	4%

Acknowledgements: Joanna Alfaro-Shigueto, Diego Amoroch, Edward Aruna, Cecilia Babbistote, Catherine Bell, Claudio Bellini, Mohamed Nejmeddine Bradai, Annette Broderick, Simon Chan, Anny Chaves, I-Juinn Cheng, Agosto Cesar Coelho Dias da Silva, Michael Coyne, Kirstin Dobbs, Karen Eckert, Alejandro Fallabrino, Matthew Godfrey, Bruno Giffoni, Hedely Guada, Mark Hamann, Selina Heppell, Brian Hutchinson, Charles Innis, M. Zahirul Islam, Laurent Kelle, Milagros Lopez Mendilaharsu, Maria Angela Marcovaldi, Rod Mast, Liz McLellan, Jeanne Mortimer, Nicholas Mrosovsky, Sally Murphy, Antonio de Padua Almeida, Frank Paladino, Aiki Panagopoulou, Nicolas Pilcher, Alan Rees, Richard Reina, Marc Rice, Perran Ross, Jeffrey Seminoff, Luciano Soares e Soares, Yonat Swimmer, Jesus Tomas, Romeo Trono, Tony Tucker, Robert van Dam, Ximena Velez, Bryan Wallace, Grahame Webb, Thane Wibbels

Countries represented: Australia, Bangladesh, Brazil, Canada, Cayman Islands, Colombia, Costa Rica, France, Greece, Hong Kong, Malaysia, Peru, Philippines, Puerto Rico, Seychelles, Sierra Leone, Taiwan, Tunisia, United Kingdom, Uruguay, USA, Venezuela