North American Marine Protected Areas Network (NAMPAN) Ecological Condition Assessment Scorecard: Improving Collaboration, Disseminating Complex Science Information That Stakeholders Can Understand, and Encouraging Ownership of Marine Resources in Canada, Mexico, and the United States

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ABSTRACT: Ecological scorecards are used as a *communication tool*, requiring groups to pool data, expertise, and discuss in order to develop a final product that can be used by technical and non-technical audiences alike. They are a *reporting tool*, taking complex monitoring data and providing stakeholders with an easy to understand value judgment and assigning a trend. They are a *collaborative tool*, offering stakeholders and managers the opportunity to take actions necessary to improve the value judgments on the next reporting cycle. They are an *information gap tool*, identifying areas of monitoring that are either insufficient to make an informed value judgment or nonexistent.

THE SCORECARD PROCESS

Assemble all available scientific information on selected MPA

SCORECARD CATEGORIES

Water/Stressors Water/Nutrient Effects Water/Human Health Water/Human Activities Habitat/Extent & Distribution Habitat/Contaminants Habitat/Human Activities Living Resources/Biodiversity Living Resources/Extracted Species Living Resources/Alien Species Living Resources/Alien Species Living Resources/Focal Species Living Resources/Focal Species

Assemble all available topical subject experts familiar with the data and/or MPA area

Subject experts make judgments about the data by answering the questions

SCORECARD VALUE JUDGMENTS



Value and trend for each

question are assigned based on expert judgment opinion



EXAMPLE OF NAMPAN SCORECARD QUESTION

Question 9. (Living Resources/Extracted Species). What is the status of extracted species and how is it changing?

TREND ANALYSIS

Rapidly Improving Improving Stable Diminishing Rapidly Diminishing Undetermined