

TABLE OF CONTENTS

ACKNOWLEDGEMENTS.....	3
TABLE OF CONTENTS.....	5
ACRONYMS	7
EXECUTIVE SUMMARY	9
Overview	9
Findings	9
Recommendations and Best Practices.....	11
1. INTRODUCTION.....	13
Overview	13
Background	13
Timor-Leste	15
2. WHERE ARE THE NEARSHORE RESOURCES LOCATED? <i>SATELLITE MAPPING OF NEARSHORE HABITATS</i>	19
What did we do, and why is this information important?.....	19
Where and how did we do it?.....	20
What did we accomplish?.....	22
3. WHAT ARE THE NEARSHORE RESOURCES? <i>CORAL REEF ECOSYSTEM ASSESSMENTS</i>	27
What did we do, and why is this information important?.....	27
Where, when and how did we do it?.....	28
What did we find?.....	29
4. WHAT ARE THE THREATS TO THE NEARSHORE RESOURCES? <i>ESTABLISHING ECOLOGICAL BASELINES FOR CLIMATE CHANGE</i>	43
What did we do and how did we do it?.....	43
Why is this information important?.....	44
Operational logistics	48
What did we find?.....	52
5. DEVELOPING A SPATIAL DATA FRAMEWORK	73
Timor-Leste Project Portal	73
Data Structure.....	74

APPENDICES	81
Appendix A. Capacity Building and Community Engagement	81
Appendix B. Satellite Mapping Image Catalog.....	99
Appendix C. Methods: Satellite Mapping	102
Appendix D. Map Book for the Coastline of Timor-Leste	108
Appendix E. Climate Monitoring Site Benthic Habitat Characterization	165
Appendix F. Satellite Mapping Poster.....	203
Appendix G. Methods: Coral Reef Ecosystem Assessments.....	204
Appendix H. Sites Surveyed for Reef Fishes and Benthic Community Composition	207
Appendix I. Methods: Ecological Baselines for Climate Change	209
Appendix J. DNA Barcoding and Metabarcoding Explained	218
Appendix K. Species Data from the Metabarcoding Matches	219
GLOSSARY OF TERMS.....	223
REFERENCES.....	231