

Learn More Pages For CPT Tool

Jiangdong Liu

2019-11-15

Contents

1	Intended Use	5
2	Introduction	7
3	Data Measure for Habitat	9
3.1	Project Area	9
3.2	Connectivity to Existing Protected Area	9
3.3	Structural Connectivity Index	9
3.4	Threat of Urbanization	9
3.5	Land Cover - Composition of Natural Lands	9
4	Data Measure for Water Quality & Quantity	11
4.1	Impaired Watershed Area – EPA ‘303(d)’ list	11
4.2	Stream Abundance	11
5	Data Measure for Living Costal & Marine Resources	13
5.1	Biodiversity Index	13
5.2	Threatened and Endangered Species - Critical Habitat Area . . .	13
5.3	Threatened and Endangered Species - Number of Species	13
5.4	Light Pollution Index	13
6	Data Measure for Community Resilience	15
6.1	National Register of Historic Places	15
6.2	National Heritage Area	15

6.3	Social Vulnerability Index	15
6.4	Community Threat Index	15
7	Data Measure for Gulf Economy	17
7.1	Working Lands	17
7.2	Commercial Fishery Index	17
7.3	Recreational Fishery Index	17
7.4	Access & Recreation	17

Chapter 1

Intended Use

The Gulf Conservation Prioritization Tool (CPT) is **not** intended to be prescriptive. Instead this tool was designed to provide data to **support** conservation planning efforts across the Gulf Coast Region. All users acknowledge that the CPT model is intended to **explore** ecological and socioeconomic co-benefits of proposed areas of land conservation, and should **not** be used in a decision making context.

The flexibility of this tool enables a user to evaluate conservation alternatives using either a **multi-criteria decision analysis (MCDA)** framework, or user-defined values.

This book is intended to provide additional support documents for the data measures used in the CPT tool.

Chapter 2

Introduction

I leave some examples here for Andrew and Madison to easily pick up some of the features you can do in here.

You can label chapter and section titles using `{#label}` after them, e.g., we can reference Chapter 2. If you do not manually label them, there will be automatic labels anyway, e.g., Chapter 3.

You can write citations, too. For example, we are using the **bookdown** package (Chuck, 2019) in this sample book, which was built on top of R Markdown and **knitr** (Xie, 2015).

Chapter 3

Data Measure for Habitat

3.1 Project Area

3.2 Connectivity to Existing Protected Area

3.3 Structural Connectivity Index

3.4 Threat of Urbanization

3.5 Land Cover - Composition of Natural Lands

Chapter 4

Data Measure for Water Quality & Quantity

4.1 Impaired Watershed Area – EPA ‘303(d)’ list

4.2 Stream Abundance

Chapter 5

Data Measure for Living Costal & Marine Resources

5.1 Biodiversity Index

5.2 Threatened and Endangered Species - Critical Habitat Area

5.3 Threatened and Endangered Species - Number of Species

5.4 Light Pollution Index

Chapter 6

Data Measure for Community Resilience

6.1 National Register of Historic Places

6.2 National Heritage Area

6.3 Social Vulnerability Index

6.4 Community Threat Index

Chapter 7

Data Measure for Gulf Economy

7.1 Working Lands

7.2 Commercial Fishery Index

7.3 Recreational Fishery Index

7.4 Access & Recreation

Bibliography

Chuck (2019). *hey, add reference this way*. Msstate, Starkville, MS, 1nd edition.

Xie, Y. (2015). *Dynamic Documents with R and knitr*. Chapman and Hall/CRC, Boca Raton, Florida, 2nd edition. ISBN 978-1498716963.