



Understanding Our Changing Climate Unit 5: Stakeholder Report

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In this Stakeholder Report you will select a stakeholder or stakeholder group which will be impacted by sea level rise (based on the work you did in Unit 1), pull on the geodetic data you utilized in Units 2, 3 and 4 to demonstrate what is known about the rates and causes of observed and projected sea level rise, and provide a synthesis of the impacts of sea level rise to your stakeholder.

Write your report for an educated audience but not well-versed in the geosciences. Avoid the use of scientific jargon, and if using a letter abbreviation be sure to define the abbreviation. It is anticipated that the Stakeholder Report will be 1000-2000 words long, and include 3-4 graphs from Units 2-4. Depending on the instructions provided by your instructor, you may also be compiling information from the units into an Appendix at the end of the Stakeholder Report (see instructions at the end of this document).

The attached grading rubric provides details on assessment.

Report Components

I. Title

- a. Title for the Stakeholder Report
- b. Author
- c. Date of preparation
- d. Audience the report is intended for/targeted to (in this case identify a relevant stakeholder that is at an appropriate level and who you think should be informed about the impacts of sea level rise on the stakeholder.) This will be one of the stakeholders that were identified in Unit 1.

II. Summary of the Stakeholder Report

This will be a brief (200-400 word) summary of the report (similar to an abstract but written for your stakeholder and less technical), including a statement of the question(s) being investigated (e.g. how will sea level rise impact xx stakeholder/s in xx location), the methods (geodetic techniques) and data that will be used (e.g., observed sea level rise; ice mass loss), how much sea level rise is projected this century, and a summary of recommendations to the stakeholder for addressing sea level rise this century.

III. Introduction

Significance of the study. This section should provide a brief overview that includes that climate is changing, and a consequence of that change is sea level rise. This section should include background information summarized from Unit 1 (for either the Maldives, Bangladesh or Southern California) of the impacts of sea level rise for your stakeholder and location. Save recommendations for your stakeholder until the synthesis section of the Stakeholder Report.

IV. Data Overview

Include data from units 2-4 to demonstrate what is known about observed sea level rise (how much sea level is occurring), and what the causes are of the sea level rise. This section should include 3-4 figures from the graphs you made in Units 2-4 demonstrating sea level rise and its causes. Be sure to incorporate in this section:

- a. Summary of each of the geodetic techniques that you used (1-2 sentences describing each method).
- b. Observed trends in each data set
- c. The footprint of the observational technique (i.e., does the technique provide data at a point, or over a large area).

V. **Synthesis and Conclusions**

What are the implications of observed and projected sea level rise on your stakeholder? Which of the various data sets provide critical information? What recommendations do you have for your stakeholder for mitigating or adapting to sea level rise? Are there policies that should be put into place?

VI. **References**

Include any references that were used in writing the Stakeholder Report. These may be from the units, or additional sources that you consulted in writing the report.

VII. **Appendices**

If you want to refer to the units in more detail than the data and graphs that you have incorporated into the Stakeholder Report, you can include an optional Appendix of the units.

- a. Unit 1 – Stakeholder Analysis plus completed work sheets and plots as appropriate
- b. Unit 2 – completed work sheets and plots as appropriate
- c. Unit 3 – completed work sheets and plots as appropriate
- d. Unit 4 – completed work sheets and plots as appropriate

Our Changing Climate Unit 5: Stakeholder Report Rubric

Component	Exemplary	Good	Basic	Nonperformance
Title, identification of stakeholder	2 points: correctly done			1-0: Missing or incomplete
Summary	5 points: Concise, jargon-free and includes the specified components.	4 points:	3-2 points: One or two elements missing or writing not properly aimed for the stakeholder.	1-0: Not aimed at the proper level for the stakeholders of interest and mission multiple elements.
Introduction	5 points: Well worded and logically laid out statement of the intended audience and which stakeholder group(s) are being considered and methods/approaches being used	4 points:	3-2 points: Statement includes details, but is not presented in a clear manner; may be too short or too rambling	1-0 points: No detailed information given beyond statement of audience
Description of data types used in the evaluation of the level of water available	5 points: Data types and instrumentation used is clearly stated along with rationale for inclusion	4 points:	3-2 points: Data type and instrumentation with minor errors, but may not be complete for all types or incomplete rationale for inclusion	1-0 points: Data is listed with no framework
Synthesis of results of data analysis	5 points: Organized discussion that cites specific ways in which stakeholders may be impacted and what changes (if any) need to take place and who is responsible for making them	4 points:	3-2 points: Discussion lacks organization; ambiguous statements relating various concepts and impact with limited references to specific groups or organizations	1-0 points: Marginal discussion with minimal suggestions for specific actions
Conclusions	3 points: Clear organized restatement of the key actions that need to take place and the basis (data) for making the conclusions		2 points: Missing elements and limited details to support basis for actions	1-0 points: Statement that does not provide any sense of what has been developed in the report