## ****Earth 107 Course Capstone Project: Stage 4 - Vulnerability Planning and Action Worksheet****

## Assignment Description: You will recall that at the end of Section 1 of the course (i.e. Capstone Project Stage 1), you downloaded the Coastal Vulnerability PowerPoint file. You will use that file to build your final Capstone product. There are multiple sections that you will fill in as you complete each module of the course. By the end of the course, you should be able to complete all sections and produce a PowerPoint presentation that will be turned in for your Capstone grade – 25% of class grade. This worksheet is meant for compiling notes that will be used to populate your PowerPoint.

## **At this point (end of Module 13) you should be able to complete the following worksheet with notes about your recommended actions for your chosen coastal city. You will also list your references and resources. Complete each section with relevant notes about your location.**

## Submission Instructions: Submit your completed worksheet to Canvas no later than the end of Module 13 (see the Course Calendar for the due date).\* Please employ the following naming convention: Last Name\_First Name Stage4Worksheet.docx.

## \*Note: you should complete the Stage 4 Worksheet before the end of Module 13 as you will need to be working on completing the PowerPoint as well.

## ****Progress Update on Stage 4****

**Name of your chosen coastal city\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Topical Areas of the Audit*** | ***Ask yourself:***  1. *Have I collected and recorded* ***adequate*** *information to justify each of these priorities? and*
2. *Do I* ***have enough evidence earlier in the audit that will help support my rankings for each of the following priorities*** *so that I can* ***demonstrate******my knowledge*** *for the course capstone submission?*

If the answer to the questions above is NO for either 1 or 2 for any of the following topical areas of the audit, then you should revisit/reread the modules in the section, consult with your fellow students, and if necessary contact the instructor to help improve your understanding. |

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| **Potential Adaptation Strategies based on materials in Modules 11-13**  |
| **Your Coastal City’s Vulnerability – based on:** Exposure, sensitivity, adaptive capacity of community. |  |
| **Expand on Adaptive Capacity**(Access to transportation, educational attainment, income/wealth, community preparedness, strength of social institutions, etc.) |  |
| **Planning/ policy for storm surge and/ or Tsunami**What policies have you read about for your city? |  |
| **Planning/ policy for Climate Change/ Sea Level Rise**What policies have you read about for your city? |  |
| **Preparedness** Response / Recovery  Planning: What evidence is there of preparedness planning? |  |
| **Master Plan Development**Have you seen a document like this for your city or the region your city is in? If not, state that none was found. If you locate one, please include in the reference section. |  |

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| **Recommended Resiliency Action Plans:** **What are the 3 top things that you would recommend for your coastal city’s resiliency planning, based on your research in order of priority.** |
| Things to consider: Likelihood of success - factoring in: poverty, access to resources, natural geologic concerns, Relative expense, timeline considerations, pros and cons of the action item, etc. | Highest Priority: Action 1 |
| Action 2 |
|  | Action 3 |
| Other recommendations |
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## ****Final Update on Stage 4:**** - Add all references, data sources, and other resources so you can include them in your citations - do a final check and make sure everything is included that needs to be.

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| **References and Key Resources** |
| Include web links, newspaper articles, citations to primary literature, databases, personal communications, etc. Note: PLEASE USE CORRECT CITATION FORMAT: Example - Soneye, A. (2014). An overview of humanitarian relief supply chains for victims of perennial flood disasters in Lagos, Nigeria (2010-2012).*Journal of Humanitarian Logistics and Supply Chain Management, 4*(2), 179-197. Retrieved from <http://ezaccess.libraries.psu.edu/login?url=https://search-proquest-com.ezaccess.libraries.psu.edu/docview/1633959764?accountid=13158> | Item 1 |
| Item 2 |
| Item 3 |
| Item 4 |
| Item 5Add more if you have more than 5 references (which is probably likely). |