GEO 3 (Core Competence): Demonstrate computational skills and mathematical reasoning.

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| **Outcome** | **The Student** | **Assignment/ Measures** | **Success Criteria** | **Student Outcomes** | **Revisions/ Improvements** |
| **Mathematical Concepts and Tools** | ● Employs appropriate quantitative methods to solve problems.  ● Correctly identifies and applies concepts unique to the discipline.  ● Interprets charts, graphs, data and tables. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Language of Mathematics** | ● Uses correct basic mathematical terminology.  ● Translates and represents mathematical information symbolically, visually, numerically and/or verbally.  ● Provides accurate explanations of information presented in mathematical forms. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Problem - Solving and Mathematical Modeling** | ● Uses organized processes and algorithms to model and solve problems, and can identify the reasonableness of results.  ● Uses mathematical methods, concepts, and pattern-based reasoning in a variety of situations to model and solve problems.  ● Describes assumptions and provides compelling rationale for why assumptions are appropriate.  ● Uses appropriate technology to support mathematical reasoning and problem solving. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Connections** | ● Demonstrates connections between mathematics and authentic applications.  ● Uses the quantitative analysis of data for drawing appropriate conclusions.  ● Uses quantitative information in connection with the argument or purpose of the work. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |