Answer Sheet

1. ESI stands for \_\_\_Environmental Sensitivity Index\_\_\_\_\_\_\_.

2. Geographic coordinate system: \_\_\_GCS\_WGS\_1984\_\_\_\_\_ Datum: \_\_\_D\_WGS\_1984\_\_\_\_\_\_\_\_\_\_

3. Associate the dataset with its data type and form:

Data Form Data Set Data Type

Point Acropora Presence/Absence Raster

Line Shoreline Classification

Polygon Florida Shoreline Vector

4. Acropora records in Puerto Rico: \_\_13926\_\_\_\_\_\_\_\_\_\_\_\_.

5. The most common ESI is \_\_polygon\_\_\_\_\_\_\_ with \_\_\_points\_\_\_\_\_\_\_\_ segments and the second most common ESI is \_\_\_\_lines\_\_\_\_\_ with \_\_\_lines\_\_\_\_\_\_ segments. These two ESI respectively represent \_\_\_\_\_\_\_\_\_\_classification\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

6. How many records of Acropora cerviconis are there? \_\_\_\_\_\_\_\_3854\_\_\_\_\_\_\_\_\_\_\_\_\_

7. How many records of Acropora palmata are there? \_\_\_\_\_\_3889\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Which species was found closest to shore? \_\_\_\_\_\_\_A. cerviconis \_\_\_\_\_\_\_\_\_\_\_\_

How far was it? \_\_\_\_\_\_\_\_\_\_\_0.000771\_\_dd\_\_

Associated with which type of shoreline habitat? \_\_\_\_coarse grained sand beaches

9. Which species was found furthest from shore? \_\_\_\_\_\_ A. cerviconis \_\_\_\_\_\_\_\_\_

How far was it? \_\_\_\_\_\_\_\_\_0.169431\_\_\_\_\_dd\_\_\_

Associated with which type of shoreline habitat? \_\_\_\_coarse grained sand beaches

10. What is the most common type of shoreline habitat associated with each species? What percentage of all habitats does that represent?

Acropora cerviconis: \_\_\_\_\_\_\_\_\_10D: Scrub-shrub wetlands\_\_\_\_\_\_\_\_%:\_\_67\_\_\_\_

Acropora palmata: \_\_\_\_\_\_10D: Scrub-shrub wetlands \_\_\_\_\_\_\_\_ %:\_\_\_\_\_94\_\_\_\_\_\_

11. In which area are the most recent records of both species located?

Scrub-shrub wetlands