**Instructions for Symbolizing the Coastal Cactus Wren Habitat Model in ArcGIS.**

1. Download the tiff file from ScienceBase:

Cactus\_Wren\_R11P1\_Habitat\_Model

1. In ArcGIS add them to the map document. They will draw with a continuous Habitat Similarity Index (HSI) values from 0 – 1.0.
2. The next step is to bin the HSI values for appropriate interpretation. HSI value of 0 is least suitable and HSI of 1.0 is most suitable. Recommended value ranges for the symbology are:

Very High Suitability = HSI values of 0.75 to 1.0

High Suitability = HSI values of 0.5 to 0.74

Low to Moderate Suitability = HSI values of 0 to 0.49

1. Set the symbology by right clicking on the raster and selecting the Symbology Tab.

Select “Classified” from the menu

The program may ask you if you want it to histogram the data, select yes.

Choose 3 in the “Classes” pull down menu.

Click on the “Classify” tab.

Go the the “Break Values” window and change the values to 0.5, 0.75. 1.0.

Click OK

Select the Color Ramp that you prefer from the drop down menu.

1. This symbology shows you the Very High, High and Low Habitat Suitability predictions for each 150m x 150m pixel in the raster layer.