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ENVS-654 Geographic Information Systems

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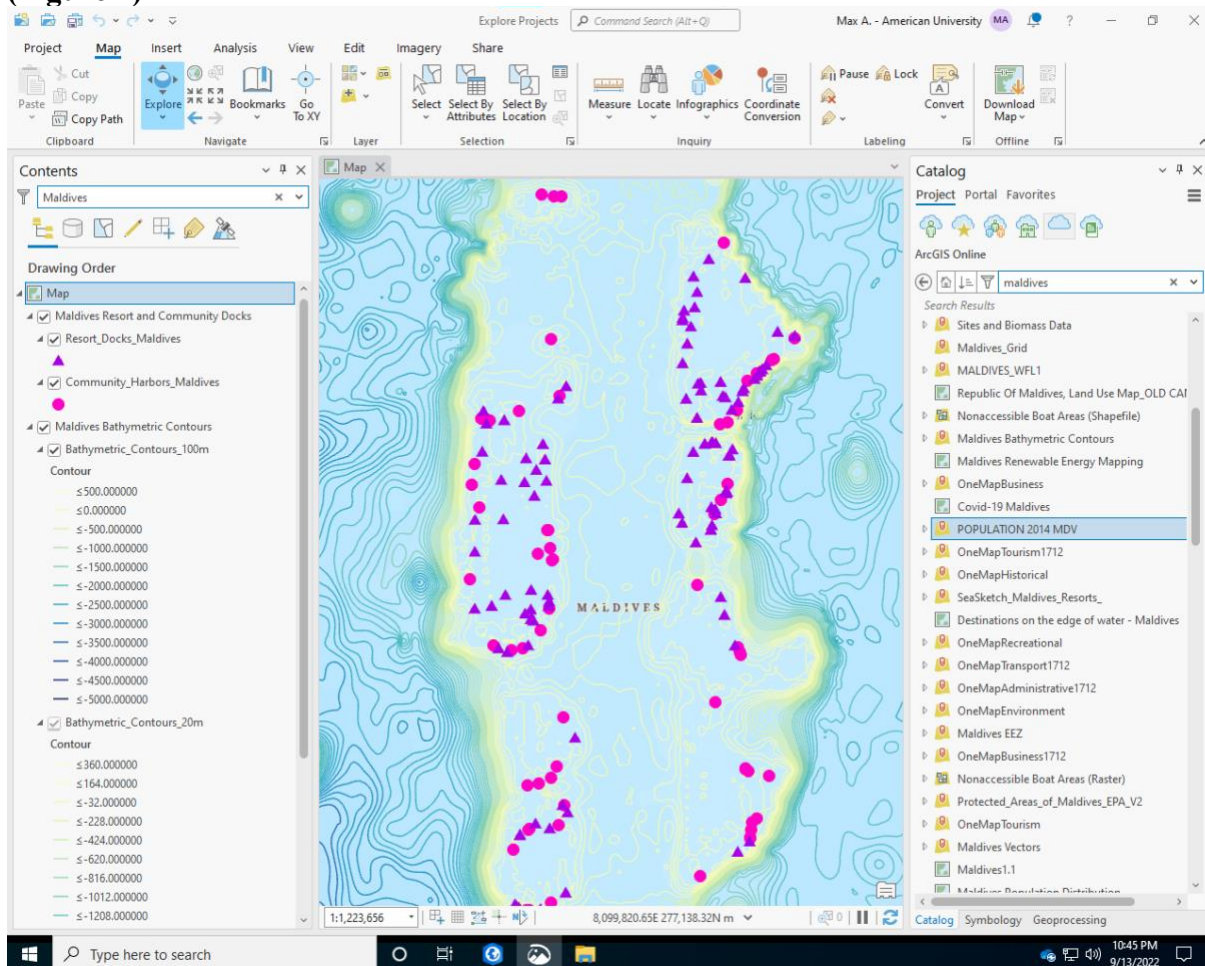
<div align="center">Assignment 1</div>

8. Prepare a brief one- to two-page report. Start with an introduction explaining why you chose the area.

I chose the Maldives because I look forward to one day visiting the Maldives and getting to know the various islands.

Capture at least one screen shot each of the map and the scene, number them as figures, and explain what each portrays.

(Figure 1)

As seen on the legend of Figure 1, resort docks are represented by purple triangles, community harbors are represented by pink dots, and the bathymetric contours are split into two sets.

The first set of contours shows lines which are distinguished at 20m changes in elevation and the second set of contours shows lines which are distinguished at 100m changes in elevation.

Additionally, I would note that the resort docks and community harbors are represented by polygons as they are discrete objects. The water elevation is represented by lines because water elevation is continuous.

Conclude with a discussion of what you learned about the area.

I learned that the sea between the resorts and docks is relatively shallow, especially where the main islands are located. Most of the resorts docks and community harbors are clumped in the same regions, and there are few instances where there is a resort or harbor by itself and far away from other resorts and harbors.

The data for the resort docks was gathered by the Republic of the Maldives, Ministry of Tourism.

The data for the community harbors was gathered by Maps of Maldives: The complete guide to the atolls and islands of Maldives (2ⁿᵈ ed.). (2016) Male, Republic of the Maldives: Water Solutions Private Limited.

There was no metadata for the Maldives Bathymetric Contours. For the purposes of this assignment, I am okay using data that I am not sure where it comes from. Moving forward, the validity of my data will rely more on the credibility of the source.