MS-GIST Projects Summer 2023 Tuesday, August 01

* There will be 5 minute breaks between each back-to-back presentation to facilitate transitions in Zoom.

** Zoom links are available on request. Please contact Andrew Grogan - atgrogan@arizona.edu

Date/Time	Presentation Title	Student Name
08/01/23 04:00 - 04:25 PM	UPDATING THE AZSITE PUBLIC MAPPING APPLICATION FOR CULTURAL RESOURCE MANAGEMENT	Carrie Schmidt

UPDATING THE AZSITE PUBLIC MAPPING APPLICATION FOR CULTURAL RESOURCE MANAGEMENT

Carrie Schmidt crschmidt3@arizona.edu

08/01/23, 04:00 - 04:25 PM

Abstract:

AZSITE, the Arizona state geospatial inventory for cultural resources, is widely used by the archaeological community in the region. One application provided by AZSITE is a free web map for displaying generalized, non-sensitive versions of cultural resource data layers. For many planning and development professionals, AZSITE Public Mapping is their first exposure to the larger AZSITE geodatabase. The current AZSITE Public Mapping application has outdated interfaces and data layers. As a result, the application is underutilized. A modernized user interface with additional functionalities would turn this application into an excellent tool for non-archaeological professionals and further support the protection of cultural resources in the state. The purpose of this project is to create an updated AZSITE Public web application using Esri Web Appbuilder. The main data layer will display cultural resource sensitivity (site area) and survey area as a percentage of the total Township Range Section (TRS) section area. This layer and related tables will be generated from core AZSITE sites and projects data using a Python script that will be integrated into AZSITE's weekly sync to the production server. To direct users to additional resources, more fields including land ownership divisions and links to cultural resource guidance have been included in related tables. These application enhancements will improve usability and better guide users to their next steps in cultural resource management.

Keywords: WebGIS, Archaeology, Application Development