

Business Requirements for Archaeological Site Database

1. Create and customize archaeological site records, with functionality including entering new site records, including fields such as site identifier, county, location, site description, and site attributes including.
2. Allow for the creation of unique user profiles for information centers and for qualified professionals with customized access settings to allow each profile access to particular site records or sets of site records.
3. Specify as qualified professionals site managers, site recorder(s), and information center personnel along with each individual's address(es) and affiliation(s).
4. Assign a privacy level to each site, to protect confidentiality and protect sites from looters while also identifying information available for publication.
5. Provide users with access privileges the ability to update site records, with changes saved for their next session.
6. Allow users to see peer-reviewed academic journal article citations that are products of, or associated with, work already completed at the site.
7. Allow the site owner or a site manager to make background readings and schematics available to all site workers.
8. Track changes across time at an archaeological site by linking site records from different times at the same site.
9. Tie information centers to all sites within the state (at scale: the United States) counties that they service.
10. Enable automatic importing of records from an information center in response to a records request from a qualified professional.
11. Add photos and maps with labels to a site record.
12. Provide a section for owners and managers to upload and access important site procedure forms, including site methodology, safety protocols, and final report(s).
13. Incorporate a geophysical search function that allows users to see all site records within the boundaries of a given USGS map.
14. Enable search by any element of the site record, including geographic location, shape maps, and the open-ended site description field.
15. Allow archaeologists working on a given site to submit unit records, supplementary unit photographs, and unit continuation sheets associated with that site (originally recorded on paper at their unit — since computers cannot go inside a unit where they would interfere with the dig process — then scanned to PDF).

