



ARRA Section 110 Project: GIS Component, GIS Development Strategy

To meet the proposed ARRA Section 110 GIS objectives and to ensure project-wide consistency of collected geospatial data, a GIS development strategy was necessary.

The objective of the ARRA Section 110 GIS Component is to conceptualize a geospatial data strategy that would create a subset of cultural resources data collected during ARRA Section 110 fieldwork for presentation (to qualified individuals within the Corps) via the CorpsMap application.¹ To achieve this objective, several procedural steps were identified.

1. Research applicable data standards, existing architecture, and data requirements
2. Identify the overriding data standard to be implemented
3. Develop a data management strategy for archiving received field data
4. Draft a GIS component design document/technical report
5. Develop a strategy for field data consolidation into the "CorpsMap" master dataset
6. Create and distribute a template geodatabase for data population by participating contractors
7. Implement data consolidation strategy to create "CorpsMap" master dataset
8. Publish consolidated dataset internally, in coordination with Corps' Geospatial Analysts and other specialists, on CorpsMap

¹ For more information regarding Corpsmap, visit <http://www.usace.army.mil/Library/Maps/Pages/CorpsMap.aspx>