

Report Format for Geographic Information Integration Projects

Category 4: 2005; Category 5 - 2006, 2007

NSDI Cooperative Agreements Program Geographic Information Integration Interim and Final Project Report Format

The goal of this category is to assist organizations and consortia to work with the USGS to make base geospatial information widely available to meet government, business and citizen needs. Please use this format to develop a brief and succinct interim or final project report, as appropriate.

Cooperative Agreement Program Number: 07HQAG0094

Project title: Western Michigan's Upper Peninsula Geospatial Outreach Program and National Map Project

Indicate whether **Interim Report**

Report Date: August 13, 2007

Project start and end dates: April 16, 2007 – April 15, 2008

Lead project organization: Western Upper Peninsula Planning and Development Regional Commission, P.O. Box 365, Houghton MI 49958, www.wuppdr.org

Project Lead: Ken Marshall, 906-482-7205, kmarshall@wuppdr.org

USGS Mapping State Liaison: Steve Aichele, 517-887-8918, saichele@usgs.gov

Collaborating organizations: (list)

Keweenaw National Historical Park,
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City of Wakefield
John Siira
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Wakefield, MI 49968

Data themes: orthro-photography, parcels, recreational trails.

Project Summary

a. Describe the project; its tasks, highlights, challenges, and accomplishments. What are your approaches to overcoming impediments to participation in The National Map? Based on your experience what would you recommend for implementation and development for project success (technical, institutional and organizational)?

The overall goal of the proposed project is: To better serve the geospatial information needs for local, state, and federal units of government and other service providers (non-profit, universities, private sector, and tourism) within the six county region of the Western Upper Peninsula of Michigan. This goal will be supported through the following objectives and their subsequent activities.

Task 1: Host The National Map for the U.S. Geological Survey within the first quarter and be completed by April 2008. The programmers have begun installation of the National Map software onto our server and will be completed by August 31st. At that time we will begin up loading the data onto the National Map.

Task 2: Provide at least 30 outreach sessions to county boards, township associations, city, and village commission meetings by April 2008. We have added two more outreach programs which reach out to the conservation programs within our area and a local high school. These outreach sessions don't take place until the 3rd and 4th quarters of the project.

Task 3: Establish a regional geospatial framework organization that will meet at least 3 times by April 2008. We have identified the GIS users within our region and they have all agreed to participate in the GIS user group. We had a group that was relatively close to our local area and another cluster 100 miles away. So, we decided to have two user groups because of the distance and decided that we would all like to meet as one group annually.

With these three tasks: the web-mapping, outreach, and user groups, we expect a good participation with the National Map.

b. Describe the data themes provided through The National Map. Are there any use restrictions? Are your map services and data documentation (metadata) registered in The National Map and Geospatial One-Stop? What is the status of maintaining, updating and serving themes of data that are included in The National Map? Based on your perspective and project experience describe user requirements for a national level spatial data infrastructure.

To date WUPPDR has made agreements to provide City of Wakefield's parcel data, National Park Ortho-photography, Houghton County X-cross ski trail data, and hiking trails data themes to The National Map. These current data themes have no restrictions. We are currently working on the metadata to getting up to federal standards for the Geospatial One-Stop.

All the data themes so far gathered for The National Map are data sets that don't need updating except for the City of Wakefield parcel layer. We have signed a contract with the City to maintain and update the data on a quarterly basis's.

c. Describe the operational capability to maintain and update data through periodic updates of data made available through The National Map.

WUPPDR has a goal of maintaining and updating the data through updating fees. Currently the local units of government are not on a set schedule for maintaining and updating data. We plan to rectify that with the outreach program stated above. There have been two Cities that so far have signed contracts with WUPPDR to maintain and update their GIS data on a yearly basis's.

d. Discuss the issues, difficulties, and challenges (both technical, institutional and organizational) that were encountered. How the CAP program can be improved.

One issue we have had was getting the project off the ground, organizing and working in the office in order to begin the progress on the National Map project. Having to start the CAP grant soon after the grant was awarded was a difficult task. There was only a 14% change of receiving the grant so office work had to go on as normal until we heard further. When we found out we were awarded the grant, re-directing staff hours was a challenge since work on this grant was to be started right away.

Another problem is the Interim Report at 120 days. This technical project takes time to develop into a working process and it is difficult to give a good interim report when you are in the

beginning stage of the project. I believe a midterm report would be more beneficiary to the CAP program, especially from a technical stand point.

e. Describe your relationship and issues with the USGS. Has a formal ongoing agreement been established to provide data and web services through The National Map? Describe your plans for follow-on activities. What are the terms and mutual commitment of resources? Please attach copy of written agreement if available.

Our relationship with the USGS has been great with no difficulties. The Michigan State Liaison has been wonderful and filled with information for us on the project. We have received prompt feedback on questions about the National Map and other subjects.

There has been a formal agreement established to provide data and web services through The National Map. The terms and mutual commitment of resources are that WUPPDR will pursue activities related to the development of, of operation of, web GIS and mapping services to support The National Map. Specifically, WUPPDR will use ARCIMS and ESRI Spatial Data Engine (SDE) Software to host local accurate regional level GIS data for USGS Mapservice Needs.

The USGS will loan ESRI software ARCIMS and SDE software products for which USGS owns the license. The software is to be used only in activities related to web GIS and mapping services that support The National Map.(See attached agreement)