

2007 NSDI Cooperative Agreement Program

Category 5: Geographic Information Integration and Analysis

Cooperative Agreement Program Number: 07HQAG0092

Project title: Iron Range GIS Collaborative (Laurentian GIS Collaborative)

Interim Report

Report Date: December 28, 2007

Project start and end dates: July 1, 2007 through June 30, 2008

Lead Project Organization: Arrowhead Regional Development Commission

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Collaborating Organizations:

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Collaborating Organizations: (continued)

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Collaborating Organizations: (continued)

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Data themes: Imagery, transportation (i.e. roads, trails, railroads), zoning (i.e. land use, future land use), utilities (i.e. electric, gas, sewer, water), parcels, environmental (i.e. rivers, lakes, geological formations), survey (public land survey system), boundaries (i.e. civil divisions, county lines). We are in the process of developing a standardized layer schema that can be used as a template for each community. ARDC is still working with the communities for data development through surveys, committee interaction and direct community input.

Project Summary: In collaboration with the organizations listed above, ARDC will assist six communities on the Mesabi Iron Range to:

- Effectively utilize GIS technologies at the community level
- Create low cost solutions for the communities to quickly design maps, analyze data, and see infrastructure details
- Establish a collaborative by creating a regional forum
- Set up long term plan for maintenance of the mapping interface and developed data sets

Work Plan Activity	Process	Percent Complete
Phase 1: Project startup	ARDC will contract appropriate people and identify who will be on a technical or community committee. ARDC will host joint meeting with both committees to kick off project.	100%
1. Establish committee		
2. Introduction of the project		
Phase 2: Data Development Phase	ARDC will work with each community to develop a template of data for data acquisition and creation. Data agreements will be put into place to to secure existing data sets. All data will be converted or created under NSDI standards.	20%
1. Determine community needs		
2. Establish initial base data		
3. Establish data protocols		
4. Secure existing data		
5. Determine cost and logistics for raw data development		
Phase 3: Implementation	ARDC will purchase and implement the necessary equipment to provide data and a map service for the six collaborative communities. The data for each community will be loaded onto the ARDC server and then the map service will be installed so that it interfaces with the data. Training will be provided to the users of the interface.	20%
1. Server implementation		
2. Website development		
3. Raw data development		
4. Link data with the interface		
5. Training communities		
Phase 4: Interface	ARDC will hold community committee meeting to survey communities on interface needs, create one set of non-customized tools and develop analysis tools.	20%
1. Interface tool development		
Phase 5: Maintenance	To maintain the collaborative and to keep the data and interface current, ARDC will hold a committee meeting to discuss the deveopment of long term commitments and the establishment of agreements with outside sources for data updates.	0%
1. Establish long term maintenance		
2. Local updates		
Phase 6: Specialization	For further specialization of the interface tools, ARDC will work with the communities and committees.	0%
1. Identify communities special data needs		
2. Develop specialty dataset		