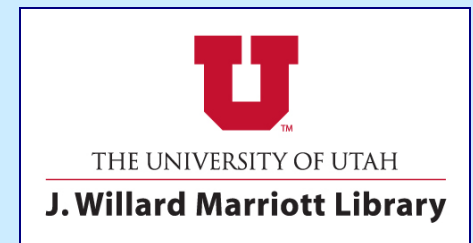# Steps Toward A Utah Geospatial Index

April Love, David Morrison, Kenneth Rockwell, Ron Bitton

J. Willard Marriott Library
University of Utah
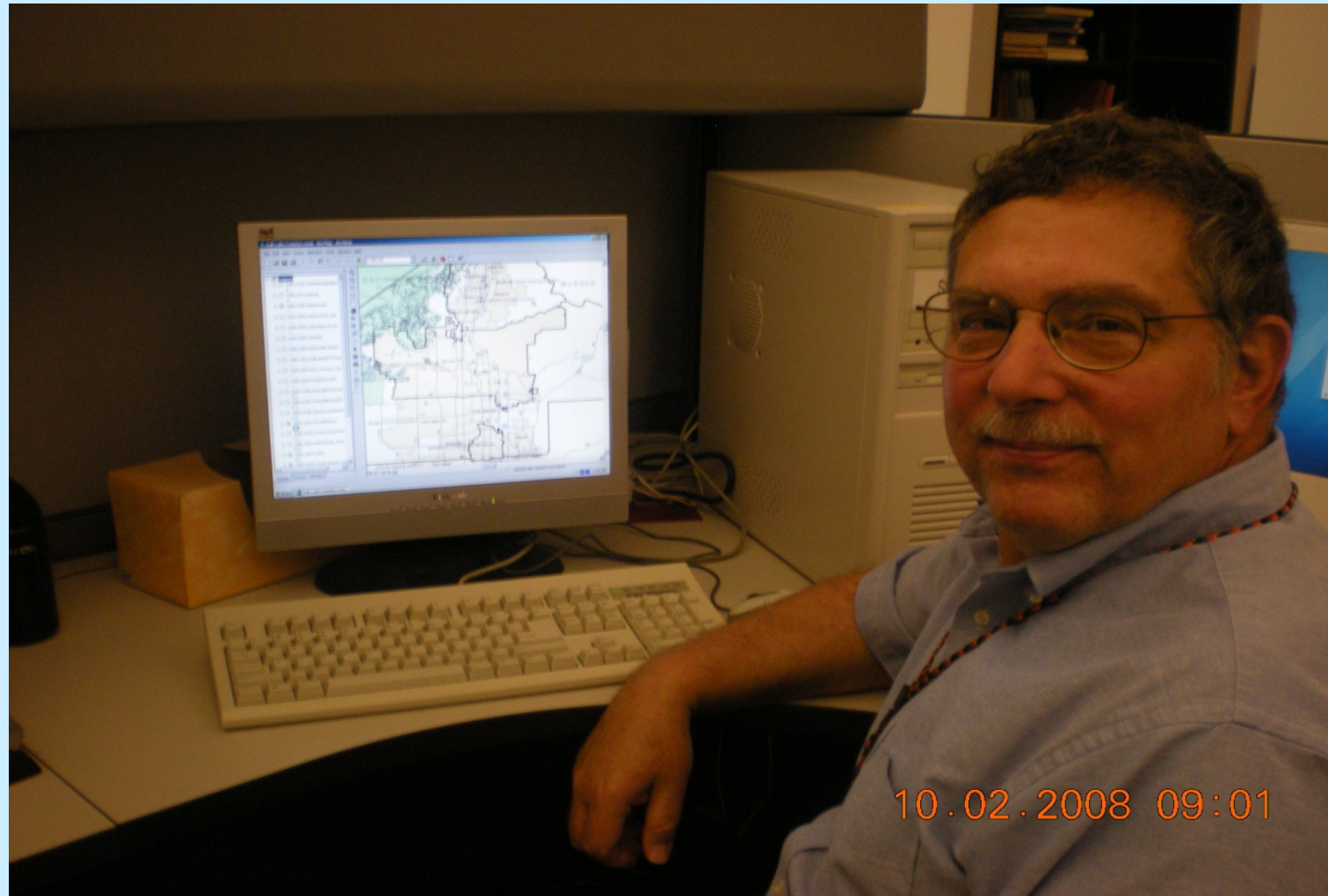Salt Lake City, UT

THE UNIVERSITY OF UTAH
J. Willard Marriott Library

How It All Began…

We started a GIS Committee at the University of Utah's Marriott Library, to make better use of library materials with a geospatial component.

At one of our early meetings, Ken Rockwell described a clickable, interactive map of Utah, where Marriott Library resources would be selected by geographic location on the map. Upon selecting a location, this portal would then display an index of geographic, geologic and historic resources available in statewide collections for that location.

Because of the concept's utility on a state-wide basis, we decided to approach other state geographic organizations.

One *minor* problem: we were not familiar with GIS software!

Dave Morrison and a first attempt at an ArcGIS Map

The Project Grew…

We contacted members of the State of Utah's Geological Survey to see if they had any interest in working with us.

The UGS folks had already implemented an interactive geological state map, but knew they were missing maps that were included with University of Utah's geology theses and dissertations. We initiated a project to inventory these maps, capture them in digital format, and add both digitized theses and maps to our web pages and USpace, the U of U institutional repository.

Ken Rockwell University of Utah Map Librarian

Ken Rockwell & Ron Bitton – Special Collections Thesis Maps

Judy Martinez, Geology and Geophysics Dept. Academic Coordinator and Theses Curator

Planning for the Geological Theses Digitization Project

- Grant Willis, Kent Brown and Buck Ehler – Utah Geological Survey (UGS)
- Anne Morrow – Digital Initiatives Librarian
- Allyson Mower – Scholarly Communication and Copyright Librarian
- Kenning Arlitsch, Kinza Masood and Kelly Taylor – Marriott Library IT Administration and Digital Technologies
- Lisa Chaufty – Institutional Repository (IR)

Procedures for Implementation

1. Collaborate with Utah Geological Survey (UGS) – use their scanning standards to make all UGS and USGS Utah maps accessible online

2. Thesis map digitization trial with a sample of 90+ maps from 1950 to 1975

3. Address the issue of Utah theses and copyright – do we need permission to digitize?

4. Work with Marriott Digital Technologies to scan theses and maps and load into USpace

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Copyright Overview and Resources

Copyright protects the creators of original literary, dramatic, musical, artistic, and certain other intellectual works (**Title 17**, *U.S. Code*). The protection extends to both published and unpublished material. "Section 106 of the 1976 Copyright Act generally gives the owner of copyright the exclusive right to do and to authorize others to do the following" (*Copyright Basics*, US Copyright Office):

- To **reproduce** the work
- To **prepare derivative** works
- To **distribute** copies of the work
- To **perform** the work publicly
- To **display** the work publicly

Copyright law makes it illegal for anyone to violate these rights, but the law allows for certain limitations on creators' exclusive rights:

- Fair Use
- Educational Fair Use
- Reproduction by Libraries and Archives
- First Sale Doctrine
- TEACH Act

If the above exceptions do not apply to the use of a copyrighted work, permission from the copyright owner is required.

Getting Permission

- Basics of getting permission
- Determining if a work is protected by copyright

Contact

Allyson Mower
Scholarly Communication & Copyright Librarian
Send an email
office: 585-5458

Related Links

Copyright Overview and Resources

Procedures for Implementation, cont.

5. Locate copies of thesis maps in the Geology Dept. for those not found in the Marriott Library collections

6. Assign geo-reference data (GIS) to thesis maps

7. Work with UGS staff to digitize maps according to their standards

8. Create the graphic index with the State of Utah Automated Geographic Reference Center (AGRC), the State's GIS experts

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Address http://gis.utah.gov/agrc   Go   Links »

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search...

Utah GIS Portal

hosted by AGRC

MAIN MENU

- Home
- Maps
- GIS News & Events
- GIS Data & Resources
- GIS Organizations

  - **AGRC**
    - Current Projects
    - AGRC Contacts
    - GIS Services
    - Directions/Parking
    - Admin Resources
    - Authorization
    - Comments/Feedback
    - Past Projects
  - GISAC
  - UGIC Users Group
  - Federal Agencies
  - State Agencies
  - Regional Organizations

AGRC FEATURED CONTENT

- **AGRC: New Office Hours**
- **About the Utah Automated Geographic Reference Center (AGRC)**
- **AGRC Contacts**
- **Visiting AGRC: Parking & Building Access**
- **About Utah's State Geographic Information Database (SGID)**
- **GIS Training at AGRC**

Home ● **GIS Organizations** ● AGRC

About the Utah Automated Geographic Reference Center (AGRC)

Written by AGRC Administrator,

http://gis.utah.gov/orgs

Internet

Outreach to Utah AGRC, UGS, Utah Historical Society and Utah State Archives

- Based on a conversation with Dennis Gorham at the November 2008 GIS Day program on UofU campus.
- Met January 14, 2009, with representatives from AGRC; UGS; USHS; and State Archives
- Agreed on need to capture the data coordinates for existing geospatial products, and promote the georeferencing of all new state data
- Need for industry standards for georeferencing spatial data, agree on metadata and scanning standards
- Decided to work together to establish a "virtual Utah" project, under a proposed name 'Utah Geospatial Index'
- Jeannie Watanabe, Director of AGRC, set up a forum for networked communication/dialog among Utah organizations with historical projects using geospatial information

Continuing Areas of Interest

- GoogleEarth and what it is doing
- Other projects
  - Mountain West Digital Libraries (MWDL), and evaluation of CONTENTdm as an asset management system
  - Flickr project at Marriott Library
  - UEN (Utah Educational Network) and use of TeleScope digital asset management system
  - Electronic Cultural Atlas Initiative
    - Brandon Plewe from BYU and UGIC Board
  - Western States Digital Standards Group
    - http://bcr.org/cdp/best/dublin-core-bp.pdf
  - FGDC-Dublin Core [Federal Geographic Data Committee] [http://www.fgdc.gov/] and the FGDC metadata standards [http://www.fgdc.gov/metadata]
  - Open Archives Initiative

Outreach

- GeoScience Information Society (GSIS)
  - Poster session on ML GIS Comm. activities to date, Oct. 10, 2008
- GIS Advisory Committee – 2/19/2009
- Western Association of Map Librarians (WAML)
  - National conference held in Marriott Library, Salt Lake City, April 29 – May 2, 2009
- LITA: Library and Information Technology Association

Further Goals

- Work on statewide geospatial and metadata standards
- Registry of statewide digitization projects, i.e. "who is working on what"
- Explore opportunities for external grants
- Coordinate 'Utah Geospatial Index' project
- Explore using Google Earth as navigational tool
- Increase access to geospatial information beyond the GIS community
  - including *Explore Utah*, academia, and the general public