

# DIGITAL MAPPING TECHNIQUES 2014

The following was presented at DMT'14  
(June 1-4, 2014 - Delaware Geological Survey,  
Newark, DE)

The contents of this document are provisional

See Presentations and Proceedings  
from the DMT Meetings (1997-2014)

<http://ngmdb.usgs.gov/info/dmt/>

# **Geologic Map Collections:**

## **A New Librarian's Perspective**

Susan Powell  
GIS & Map Librarian  
UC Berkeley

# Road “map”

- Berkeley’s collection
- Similarities to print collecting
- New questions with digital
- Access vs. preservation
- Berkeley’s approach



**Earth Sciences & Map Library**

# Berkeley's collection

- Earth Sciences & Map Library combined
- More than 21,000 print geologic maps
  - ~2,600 of those are of California
- Support academic work, but also public
- Federal depository library
- Past depository for CA Geological Survey



# Similarities to print

- We can't collect everything
  - Limited budget
  - Limited space
- Helpful to have regular collection schedules


# New questions with digital

- Digital preservation
- Access to digital materials
- Web-portals?
- Course support:
  - Digital field mapping

# Access vs. Preservation

  USGS HOME CONTACT USGS SEARCH USGS


Home Catalog Location New Mapping Standards Comments



## The National Geologic Map Database



Developing a distributed archive of standardized geoscience information for the nation.

- Map Catalog**  
Find over 90,000 products from over 600 publishers
- Stratigraphy**  
Find geologic names, charts, and guidelines
- MapView**  
Discover geologic maps through our map interface
- TopoView**  
Access the Historical Topographic Map Collection
- Mapping in Progress**  
Find out where geologic mapping is happening now

Find Us: 

ACCESSIBILITY FOIA PRIVACY POLICIES AND NOTICES

U.S. Department of the Interior | U.S. Geological Survey  
Supported by the National Cooperative Geologic Mapping Program  
URL: <http://ngmdb.usgs.gov>  
Page Contact Information: Personnel  
Page Last Modified: Thu May 29 11:12:07 2014





# Berkeley's approach to...

## Access

- Rely primarily on existing sources
- Local repository:  
[GeoData@Berkeley](#)

## Collection of materials

- Collect regionally for preservation
- Acquire print selectively

# Thank you!

[smpowell@berkeley.edu](mailto:smpowell@berkeley.edu)

<http://gis.lib.berkeley.edu/>

Getting Started Search Cart (2)

Save Image Print Basemap

SEARCH    Find Place (Example: Boston, MA) 99

Search for data layers...  [advanced options](#)

988 RESULTS by Relevancy Columns

Type	Name	Originator	Rep	Preview
<input checked="" type="checkbox"/>	Mineral Resource Preservation Sites	California State	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Landslide	U.S. GEOL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	UA Census Metropolitan Statistical Ar	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	UA Census Urbanized Areas, 1990 - C	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	California Protected Areas Database	CalAtlas	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	UA Census Primary Metropolitan Stati	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	UA Census Traffic Analysis Zones, 20	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Census Unclassified Features, 1995	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	UA Census Urbanized Areas, 2000 -	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Census Places, 1995 - Nevada	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Census Unclassified Features, 1995	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	UA Census Urbanized Areas, 1990 -	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Census Urbanized Areas, 1995 - Nev	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Census Physical Features, 1995 - Ne	U.S. Depart	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Bay Area General Outline	ESRI	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Bay Area General Outline	ESRI	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Census Bloc	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Census Bloc	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area County bound	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Traffic Analys	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Census Trad	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Census Trad	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Water 2003	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area landmarks 2	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	USA (Non-Attainment Areas: Nitrogen	Research an	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area major water	2 MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SGISDB2_BASE_ADM_SCHOOLDI	County of So	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Bay Area Counties	US Census	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Traffic Analys	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Superdistrict	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Census Bloc	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	bayarea_blockgroup2000_utm	REQUIRED:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	bayarea_county2000_utm	REQUIRED:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Traffic Analys	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Census Trad	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area Transf Route	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area place names	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area place names	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	San Francisco Bay Area place names	MTC	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Public Schools - Points	Real Estate	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SDE SFGIS.SFFACS_PUBLIC_ALL	Real Estate	<input type="checkbox"/>	<input type="checkbox"/>

