Mapping the Nation and Beyond

Maps from the Federal Government

Hallie Pritchett, University of Georgia
October 20, 2015

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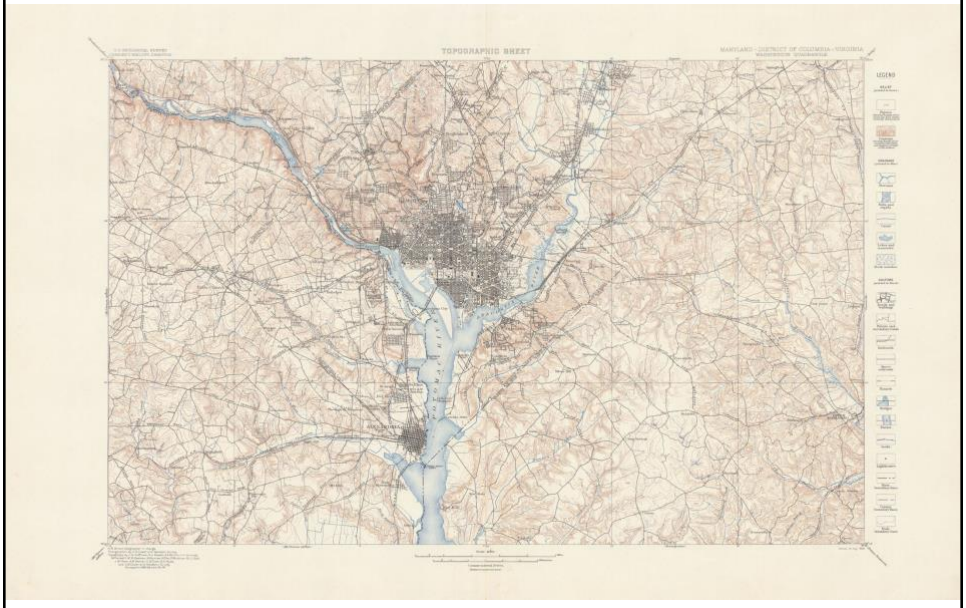

Washington Quadrangle, Maryland – District of Columbia – Virginia, 1900. Geologic Atlas of the United States, USGS, Folio 70.

- Federally produced maps in libraries
- Online vs. paper maps
- The case for retaining and preserving paper maps
- ALA MAGIRT's *Online Guide to U.S. Map Resources* project

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Federally produced maps in libraries

Federally produced maps

- Federal government is one of the largest producers of maps and geospatial resources in the world
- Maps make up ~6% of all classes available for distribution to FDLs
  - *Many are no longer produced in paper*
  - *Does not include maps included in other documents*
- Maps are produced by many agencies for many purposes

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Maps distributed through the FDLP

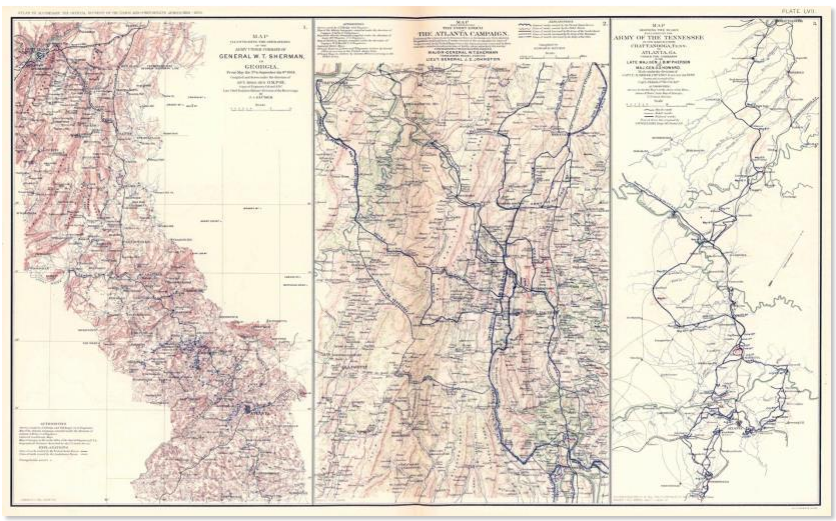

Plate LVII. Atlas To Accompany the Official Records of the Union and Confederate Armies. Serial Set Vol. No. 2998-1
http://docs.newsbank.com/openurl?ctx_ver=z39.88-2004&rft_id=info:sid/iw.newsbank.com:SERIAL&rft_val_format=info:ofi/fmt:kev:mtx:ctx&rft_dat=1126CE0334E85790&svc_dat=Digital:ssetdoc&req_dat=0D0CB61716BEE860

Maps distributed through the FDLP

American Indians and Alaska Natives in the United States. U.S. Bureau of the Census, Geography Division, 2002

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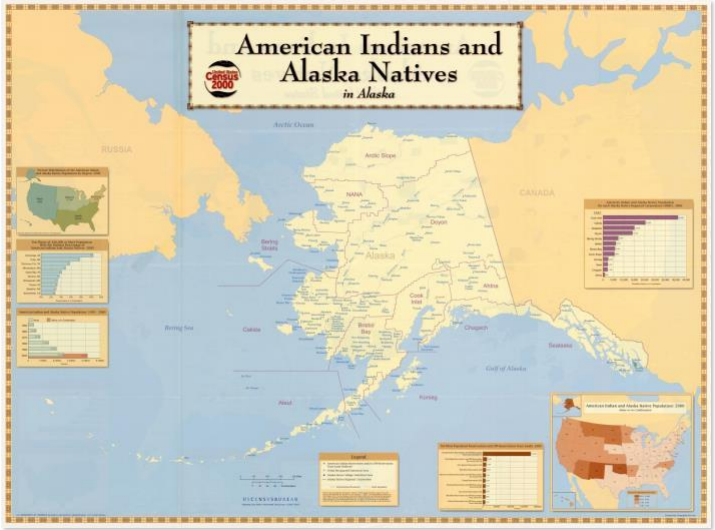

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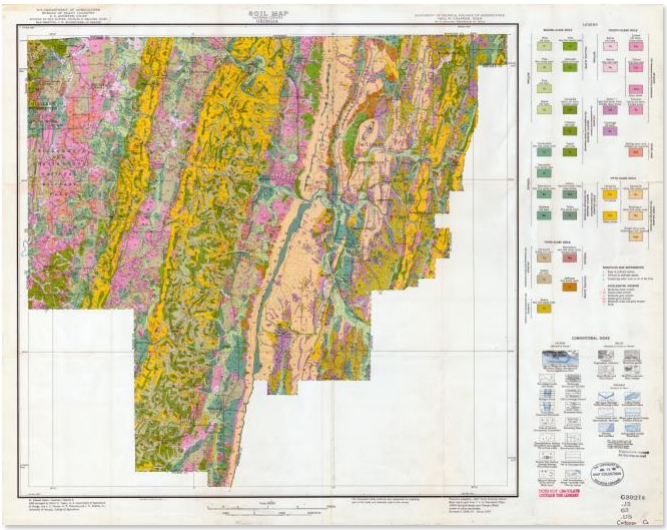

Soil Map, Catoosa County, Georgia. USDA, Bureau of Plant Industry, Division of Soil Survey, 1937

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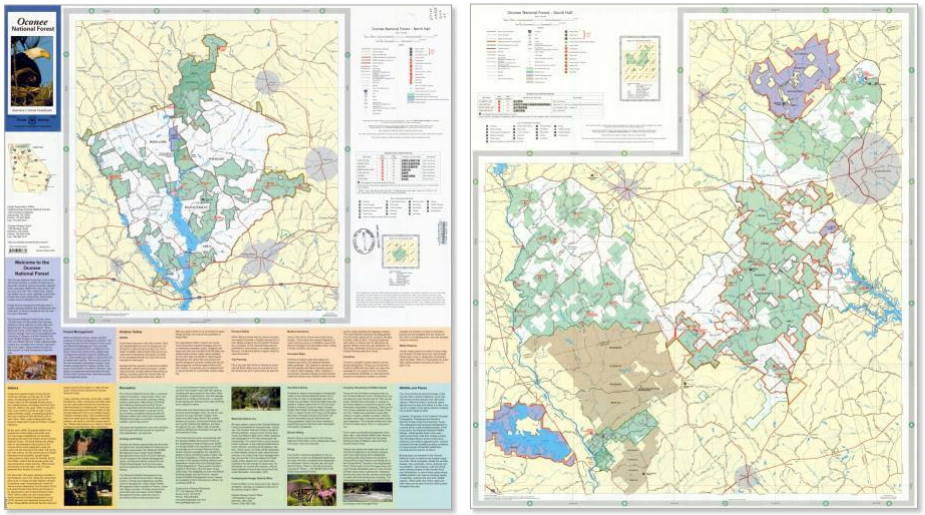
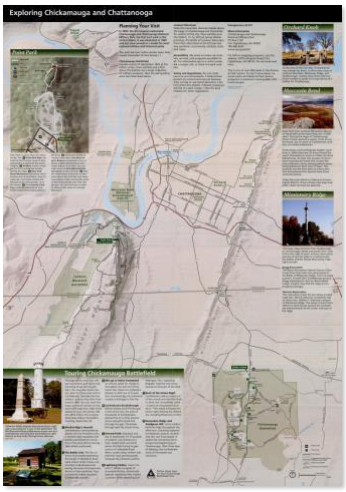


Oconee National Forest, Georgia. U.S. Forest Service, Southern Region, rev.2008

Maps distributed through the FDLP



Chickamauga and Chattanooga National Military Park, Georgia/Tennessee. National Park Service, U.S. Department of the Interior, 2013

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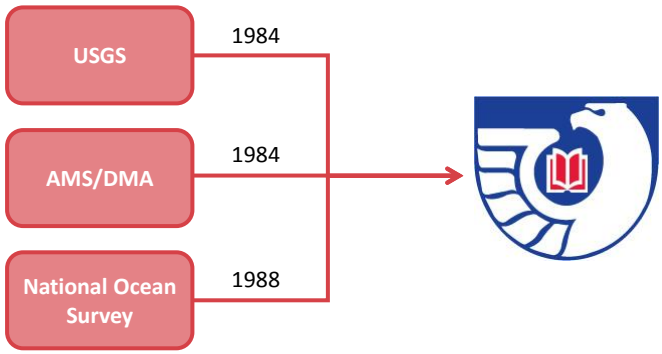
Maps distributed through the FDLP

IFR enroute low altitude. U.S. FAA National Aeronautical Charting Office. Effective 20 Aug 2015 to 15 Oct 2015

Other depository programs for maps



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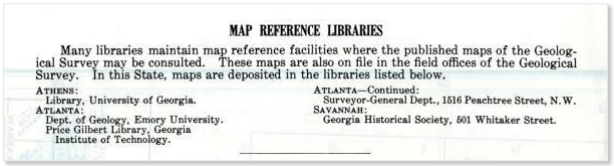
US Geological Survey

- Established in 1879; started mapping the country in the 1880s
- Depository program started in 1895
- Distributed mainly topographic maps in multiple scales as well as certain thematic maps
- Did not include maps issued for text series (e.g. USGS Bulletin, Professional Papers, etc.)

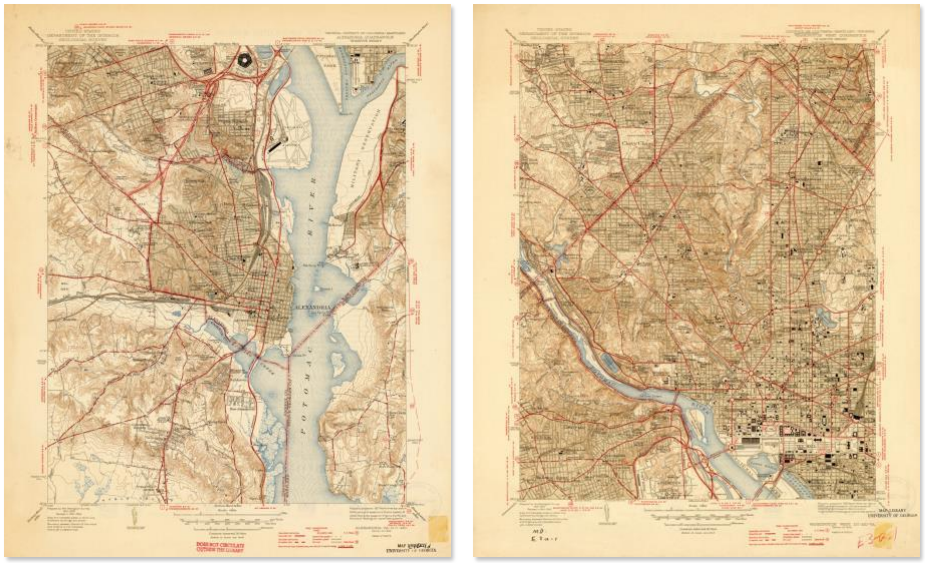


MAP REFERENCE LIBRARIES

Many libraries maintain map reference facilities where the published maps of the Geological Survey may be consulted. These maps are also on file in the field offices of the Geological Survey. In this State, maps are deposited in the libraries listed below.

ATHENS:
Library, University of Georgia.
ATLANTA:
Dept. of Geology, Emory University.
Price Gilbert Library, Georgia Institute of Technology.
ATLANTA—Continued:
Surveyor-General Dept., 1516 Peachtree Street, N.W.
SAVANNAH:
Georgia Historical Society, 501 Whitaker Street.

Map reference libraries listing from the Index to Topographic Mapping in Georgia, USGS, November 1959



Alexandria Quadrangle (L) and Washington West Quadrangle (R), USGS 7½-Minute Series, 1945

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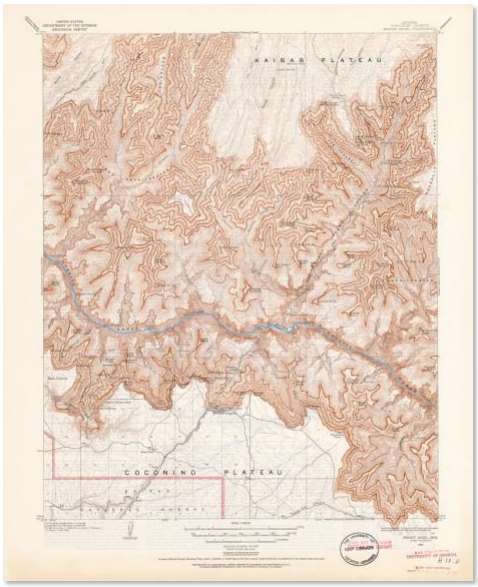
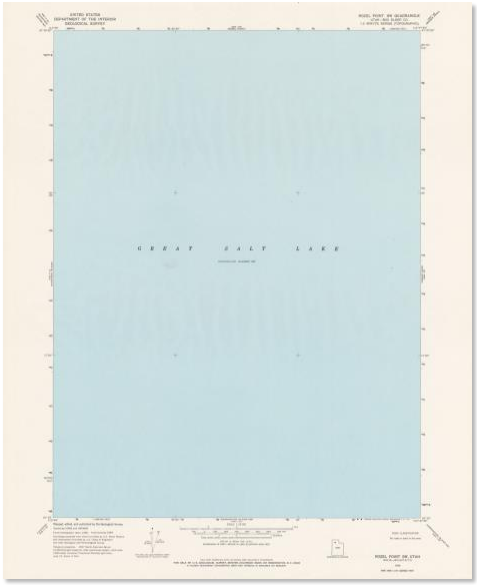


Bright Angel Quadrangle, scale 1:48,000, U.S. Geological Survey, 1903



Rozel Point SW Quadrangle, USGS 7.5' Minute Series, 1969

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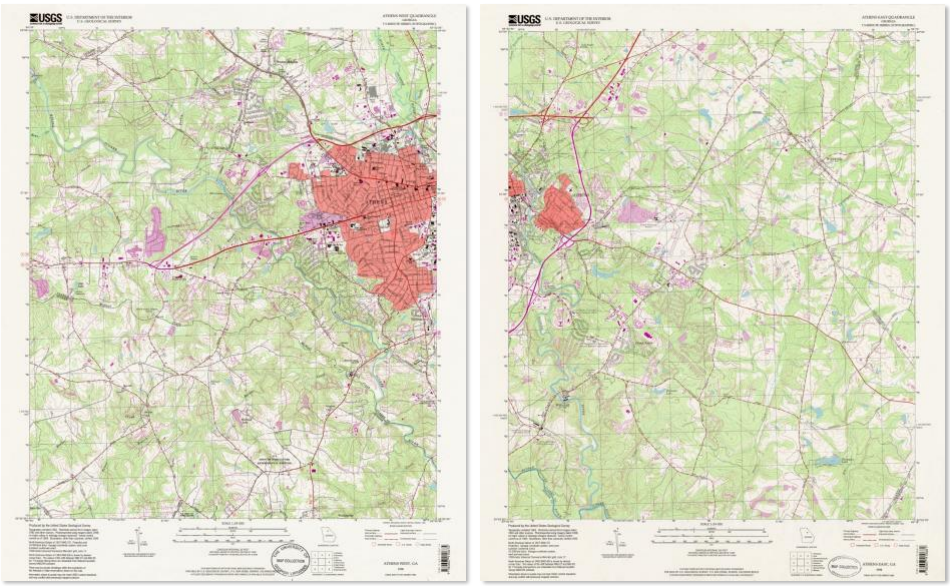

Athens West (L) and Athens East (R) Quadrangles, USGS 7.5' Minute Series, 1998

AMS/TOPOCOM/DMS

- Depository program started after WWII for distributing surplus military maps
- Significant factor in the expansion of academic map libraries and collections
- Program name changes:
  - *Army Map Service (AMS) - 1947*
  - *Army Topographic Command (TOPOCOM) - 1968*
  - *Defense Mapping Agency (DMA) – 1972*
- Maps distributed included:
  - *Army surplus maps*
  - *WWII captured maps*
  - *Maps of areas outside of the US*

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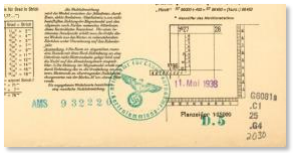
Cherbourg – Valognes sheet, France 1:100,000. Army Map Service, 2nd edition, 1947



(L) Schwartau sheet, Topographische Karte 1:25,000, Germany. Reichsamt für Landesaufnahme, 193-

(Above) Original German and AMS property stamps

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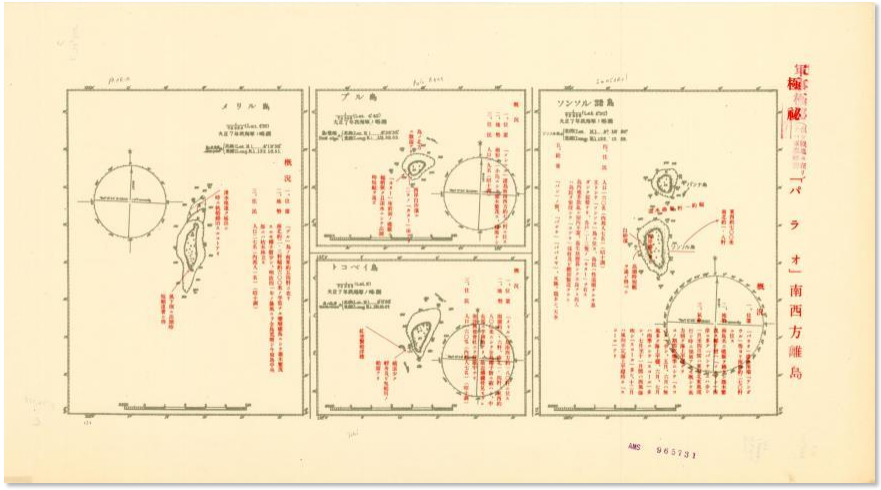

Japanese captured map showing various islands of the Caroline Islands archipelago in the South Pacific

The Moon, prepared by Army Map Service, Corps of Engineers, United States Army, 196-

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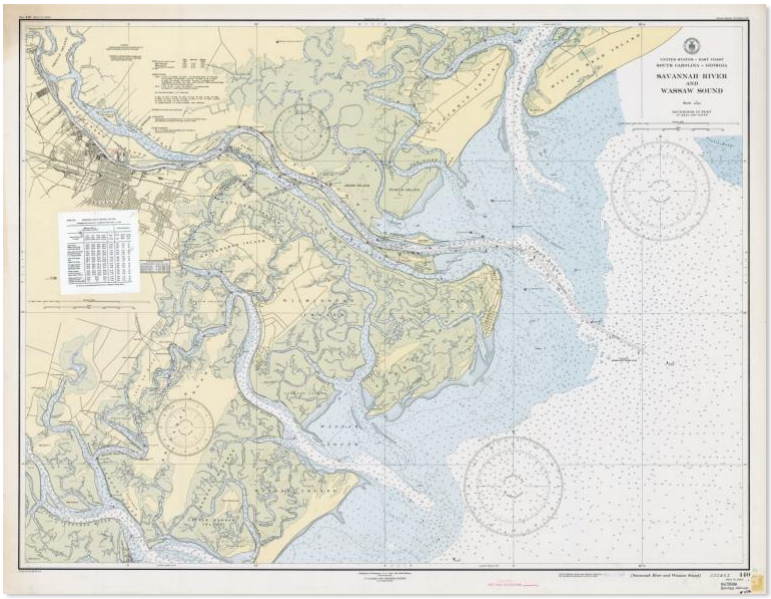
National Ocean Survey

- Part of the National Oceanic and Atmospheric Administration (NOAA)
- Publishes nautical charts for the marine waters of the US and its dependencies, the Great Lakes, and certain other navigable waterways
- Charts superseded frequently



Savannah River and Wassaw Sound. U.S. Coast and Geodetic Survey, 28th edition, 1944

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Other federally produced geospatial products

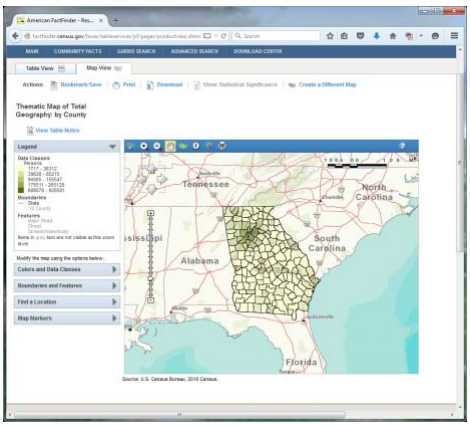
University of Georgia 1951 (L) and 1980 (R), USDA Agricultural Stabilization and Conservation Service aerial photographs

Other federally produced geospatial products

Online vs. paper maps

Online maps - pros

- Updated more frequently
- Wider variety of maps available
- Accessible from many devices
- Often interactive or customizable
- Do not take up space in the library



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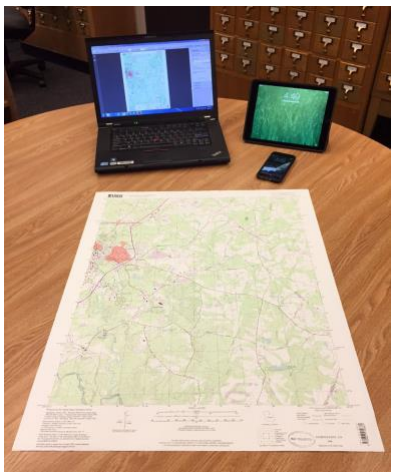
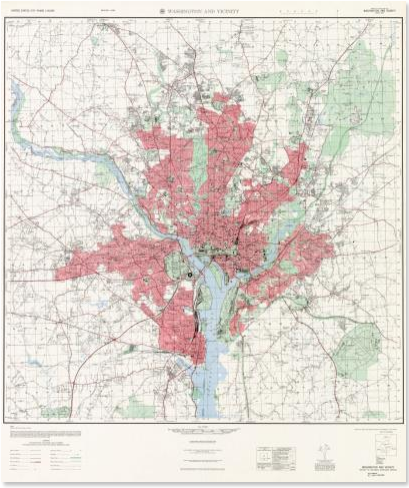
Online maps - cons



- Need a device to access
- Need a large format printer to print to scale
- Cannot see the extent of large areas
- Devices not large enough to see maps in their entirety
- Not all maps – particularly historical maps – are online

Paper maps - pros

- Can be easier/more practical to use
- Easier to see the extent of an area
- Not all maps are available online, especially historical maps
- No special equipment required to use (except the occasional magnifying glass)



Washington and Vicinity, United States City Plans 1:36,000, AMS, 1955

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Paper maps - cons

Brittle maps may break at the folds if unfolded and/or flattened

- Not updated frequently or at all
- Fragile format – easy to damage
- Need special equipment to house
- Need staff expertise
- Take up a lot of space

The case for retaining and preserving paper maps

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Why libraries do not retain paper maps

- Space issues
- Housing issues
- Lack of staff expertise
- Lack of use
- Online availability
- All of the above

Duplicate topo quads – UGA Map and Government Information Library

Why libraries do not retain paper maps – housing and/or space issues

15 drawer map case

- Filing maps flat in map cases is ideal
- Folds create weak spots
- Maps that never get unfolded may eventually become brittle and impossible to unfold without damaging the map

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Why libraries do not retain paper maps – housing and/or space issues

- Map cases:
  - Take up a **LOT** of space
  - Are **VERY** heavy
  - Can create safety issues *(user + ladder = lawsuit)*
  - Can only hold so many maps
  - Are expensive

25 drawer stack – almost 7' tall!

Why libraries do not retain paper maps – lack of staff expertise

- Reference issues:
  - All questions related to location
  - Need to understand scale, coordinates, projection
  - Most patrons are looking for local information
  - Unique copying/ printing/scanning issues

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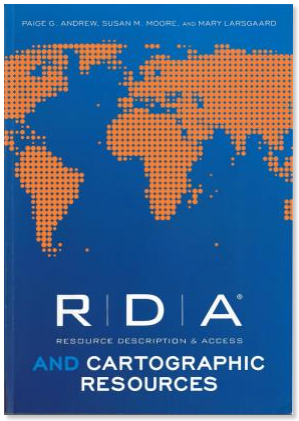
Why libraries do not retain paper maps – lack of staff expertise



- Cataloging issues:
  - Unique attributes – scale, coordinates, projection, etc.
  - Unique fields in bib records
  - Arrange by LC, Sudoc, or alphabetically?

Why libraries do not retain paper maps – lack of use

- Why don't paper maps get used?
  - Hard to find if not cataloged
  - Hard to find if filed by Sudoc or title – LC call numbers are classified geographically
  - Out of scope for your particular library
  - May be perceived as an obsolete format

The former UGA Map Library – map cases as far as the eye can see...

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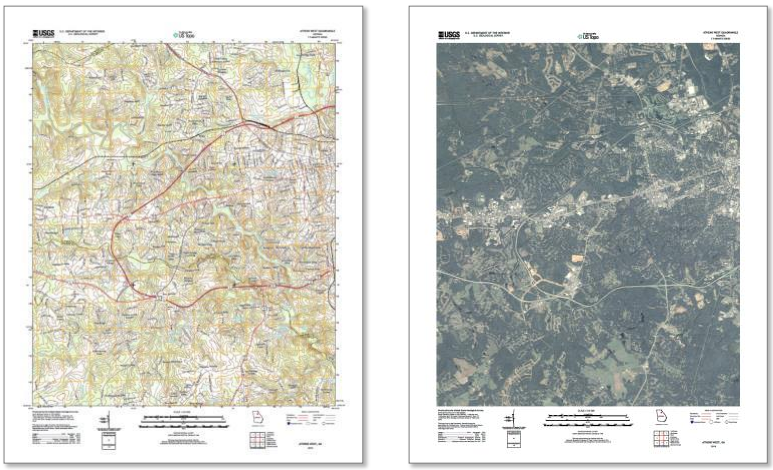
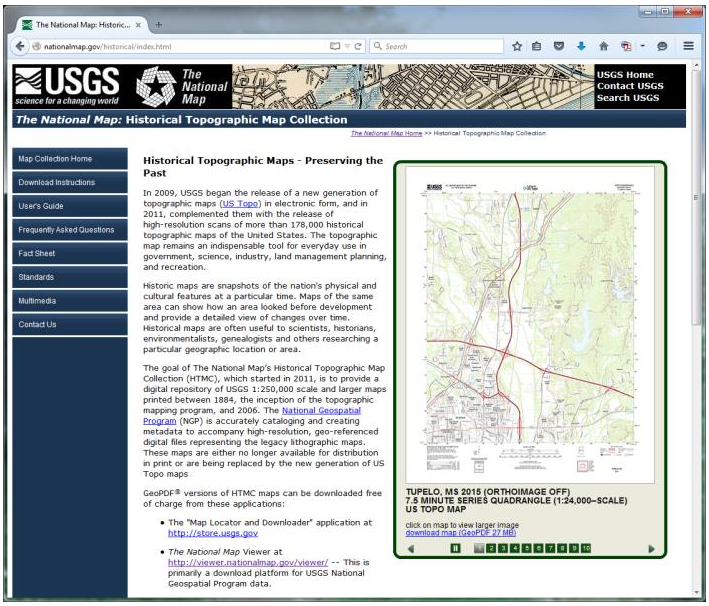
Why libraries do not retain paper maps – online availability



Topographic layer (L) and orthoimage layer (R), Athens West, US Topo 7.5' Minute Series, 2014



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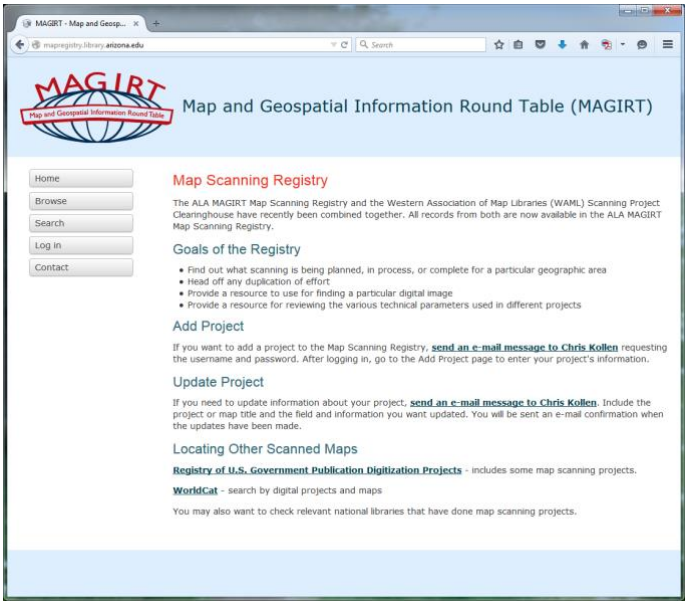
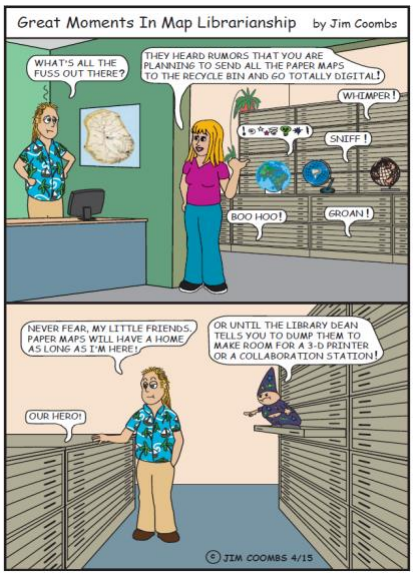


The case for retaining paper maps



From the ALA MAGIRT newsletter base line, v.36:no.1 2015

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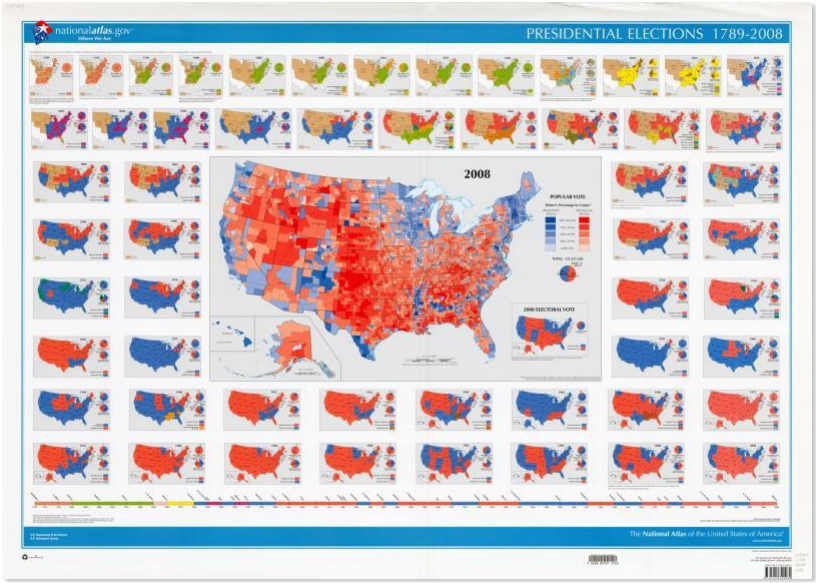
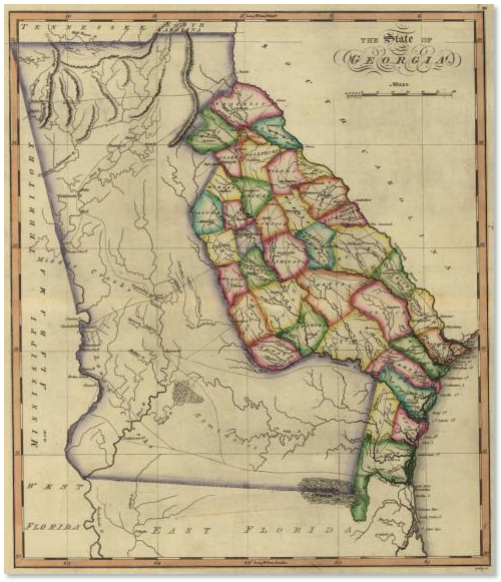


Presidential Elections 1789-2008. National Atlas of the United States of America, 2009



Gridley and Lewis. The State of Georgia, 1810. From the Library of Congress, Geography and Map Division

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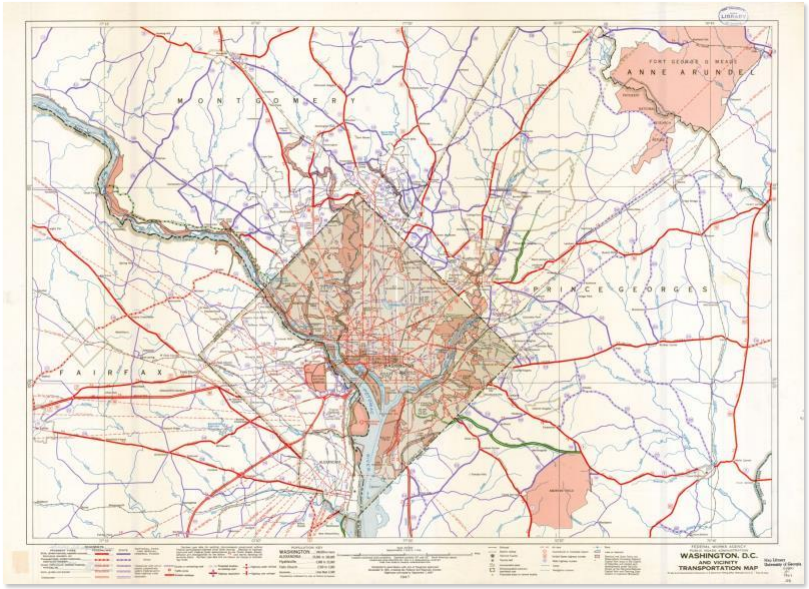
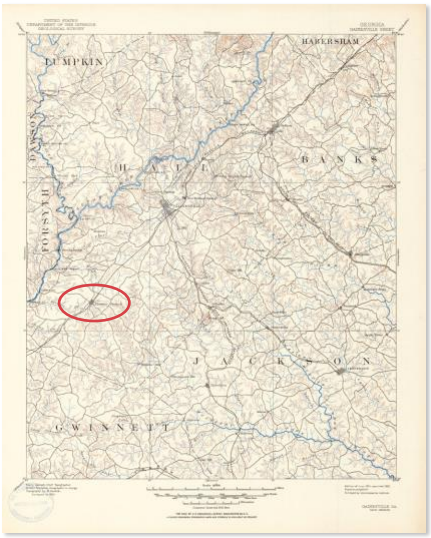
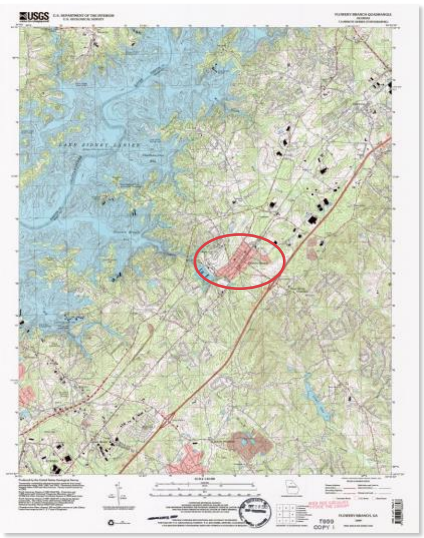


Washington, D.C. and Vicinity Transportation Map. Federal Works Agency, Public Roads Administration, 1947



Georgia Gainesville sheet. USGS 30' series, edition of 1891, reprinted 1950



Flowery Branch Quadrangle, Georgia. USGS 7.5-minute series, 1999

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In summary...

- Maps = data visualization
- Superseded maps show how areas have changed over time
- Not all maps – especially historic maps – are available online
- Do not need an electronic device to use a paper map
- Researchers of all types value paper maps

What to consider when weeding maps

- Consult with your depository coordinator **FIRST**
- Consider how maps in your collection are used
- Don't automatically assume you want or need to weed previous editions
- Check with departments at your institution to see if they still want or need paper maps
- Check with area libraries to see what they are retaining
- Offer weeded maps on MAPS-L

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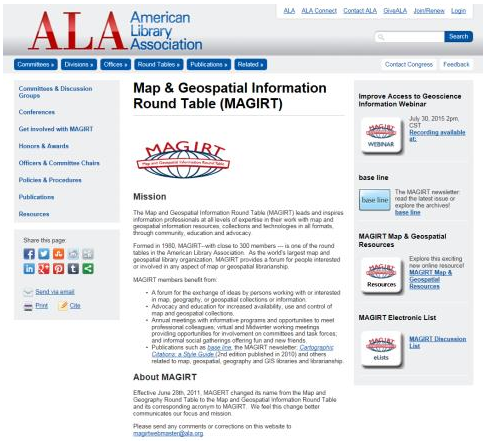
Online *Guide to U.S. Map Resources*

Potential for partnership with the Map and Geospatial Information Round Table (MAGIRT) of the American Library Association (ALA)

Carol Patterson McAuliffe
University of Florida
October 20, 2015

MAGIRT

- Map & Geospatial Information Round Table (MAGIRT)
- World's largest map and geospatial library organization
- Approximately 300 members representing a variety of institutions, including many federal depository libraries



http://www.ala.org/magirt/

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MAGIRT Map and Geospatial Information Round Table
AMERICAN LIBRARY ASSOCIATION

Partnerships

GODORT (International • U.S. Federal • State • Local)

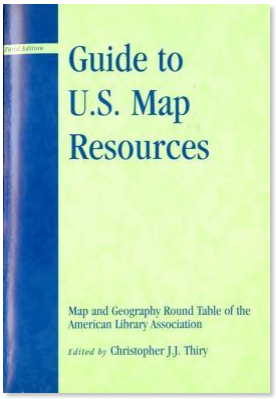
Western Association of Map Libraries

Liaisonships

nacis North American Cartographic Information Society

USGS science for a changing world

Guide to U.S. Map Resources



- First edition (editor: David Cobb) published in 1986
- Third edition (editor: Christopher Thiry) published in 2006
- In October 2014, the MAGIRT Publications Committee formed taskforce to investigate an online edition.

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Guide to U.S. Map Resources

Taskforce Wish List

- Online crowd-sourced directory
- Searchable map interface
- Searchable subject specialties
- Links to digital collections
- Include all members of the Federal Depository Library Program with map collections

MAGIRT and GPO: Proposed Partnership

- To provide another point of access to geospatial publications by the U.S. Government
- To inventory print cartographic resources in FDLP libraries (GPO, USGS topographic maps, NOAA nautical charts, etc.)
- To track retention and deselection policies of cartographic resources in FDLP libraries
- To identify potential FIPNet partner libraries

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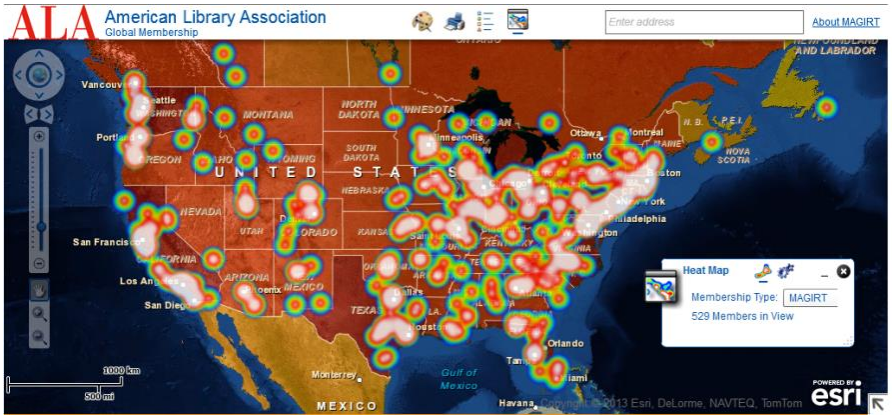
Path to Success

- Develop survey of FDLP member libraries regarding their cartographic holdings and retention/deselection policies
- Expand survey to include libraries outside of the FDLP with significant government document collections
- Create database and *Online Guide to U.S. Map Resources*
- Provide training in using and updating library information through the *Guide*'s website
- Establish sustainable plan for maintaining the *Guide*

MAGIRT Membership Map



http://arcweb.forest.usf.edu/flex/ALA/

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Questions?

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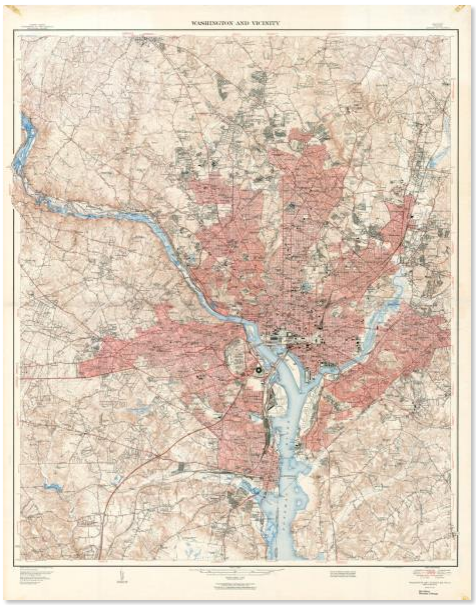

Washington and Vicinity. MD.-VA.-D.C. U.S. Geological Survey, 1951