

Utilizing Digital Library Infrastructure to Build Modern Research Collections

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Wisconsin Association of Academic Librarians

April 24, 2013

What is a digital library?

After 15+ years surely we've figured it out.

Right?

We have systems for some or all of the following

Digitized content of all types

Books

Photographs

Letters

Maps

Newspapers

Yearbooks

Audio

Video

Articles

Slidedecks

Grey literature

Electronic Theses and Dissertations

Datasets

We are harvesting the web

All of this content
I consider part of the digital library

We purchase resources from vendors

We subscribe to database

We provision access to closed access journals

We buy ebooks

But we don't really manage that content

We pay other people to do that

But this isn't what I want to talk about today

Instead I want to talk about the opportunities

And some of the challenges

When we think of building collections

Digitally

In many cases from the Web

Story #1

When we depend on pointing instead of collecting

Anyone can **point** to a web site or document, but we have a special name for those that select, acquire, organize, and preserve information and provide access to and services for that information: We call them Libraries.

James Jacobs (2013)

NASA Technical Reports Server (NTRS)

Hundreds of thousands of freely available
technical reports created or contracted by NASA

On March 19th this is what the site looked like.

**Until further notice,
the NTRS system will be unavailable for public access.
We apologize for any inconvenience this may cause you and anticipate
that this site will return to service in the near future.**



We've built much of our infrastructure around linking to content that others maintain.

How many catalog records do we have that point to an open access resource hosted somewhere else?

worldcat.org has over 5,500 records pointing to
NTRS

Instead of just pointing to resources we should be
collecting these resources

Remember, lots of copies keeps stuff safe

But many of these resources we are trusting to one host. It is just a matter of time before something else disappears

So if we should be collecting this stuff and it is everywhere on the Web, do you want us to just start harvesting the Web?

Yes!

Story #2

End of Term Web Harvests

End of Term 2008 Presidential Web Archive

Collaborative Web archiving project

5 Partners

Library of Congress
Internet Archive
California Digital Library
UNT Libraries
Government Printing Office

Capture the transition of the executive branch and
the changes in the federal Web during the
process

Before the election

After the election

After the inauguration

EOT-2008 Stats

16 TB of WARC and ARC file

160,211,356 URIs

Largest TLDs	# URLs	# Subdomains
gov	137,847,822	14,339
com	7,809,711	57,873
org	5,108,645	29,798
mil	3,555,425	1,677
edu	3,552,509	13,856

Largest Mime-types	# Files
text/html	105,590,929
image/jpeg	13,665,196
image/gif	13,031,046
application/pdf	10,320,163

Largest Mime-types	# Files
text/html	105,590,929
image/jpeg	13,665,196
image/gif	13,031,046
application/pdf	10,320,163

What is that?

We took a look

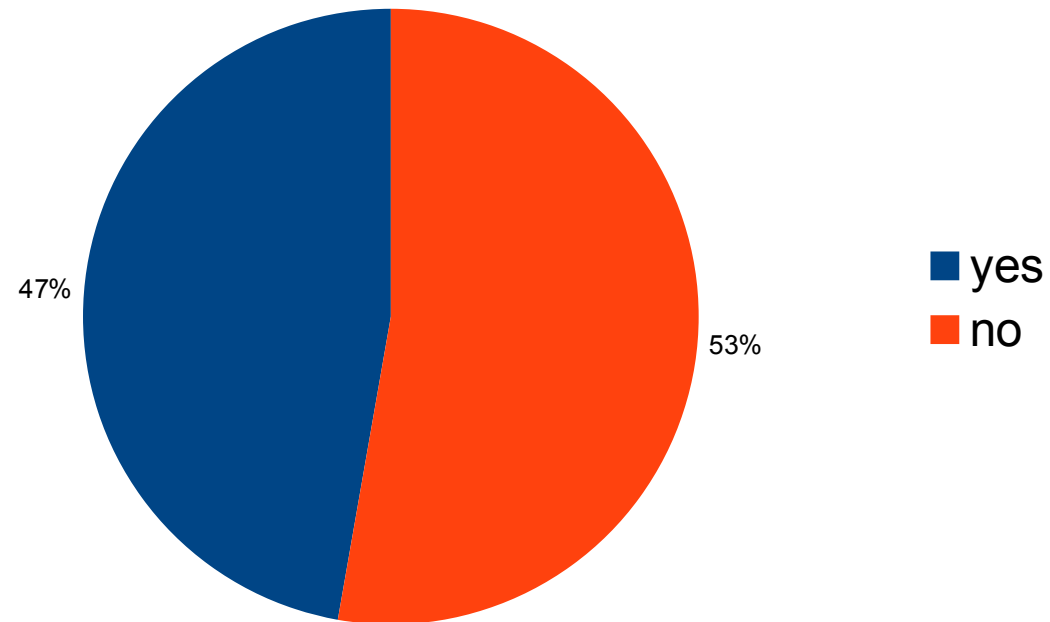
After seven weeks of machine time we had 4.5 million unique pdf samples

We learned a bunch of things

Year	Number
2009	456,974
2008	804,985
2007	469,928
2006	501,785
2005	408,882
2004	352,320
2003	363,917
2002	194,291
2001	229,658
2000	112,167
1999	90,909
1998	57,645
1997	35,708
1996	21,373
1995	12,829

PDF Version	Number
0.0	12
1.0	14,693
1.1	69,503
1.2	807,300
1.3	1,127,399
1.4	1,449,508
1.5	525,647
1.6	400,174
1.7	9,812

PDF Optimization



How many pages per PDF

Shortest Document = 1 page
(1,477,612 PDFs)

Longest Document = 17,584 pages
(1 PDF)

60,874,402 pages in PDFs

Average PDF Length = 13.8 pages

Wait back up.... 17,584 pages?

Really?

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION
OGOR-B List- Product Disposition

Lease Number: ALL
Unit Agreement Number: ALL
Start Date: 1990/01
End Date: 1995/12

Report Date	Lease/Unit Number	Operator	Disp Code	FMP Number	Gas Plant FMP Number	Prod Qlty	Disposed Oil (bbls)	Disposed Gas (mcf)	Disposed Water (bbls)
199001	00016	00001	10			0	860	0	0
			11	3017719E007	0217087E000	0	0	101	0
			15			0	0	42	0
			20			0	0	862	0
			21			0	0	104	0
			27			0	0	0	2786
		00276	01	20177193900		33.5	44887	0	0
			10			0	43930	0	0
			11	3017719E001	0217087E000	0	0	156929	0
			14			0	0	22083	0
			17			0	0	0	56868
			20			0	0	10451	0
			21			0	0	6032	0
		00689	01	20177193900		31.9	9379	0	0
			11	3017719E002	0217087E000	0	0	261	0
			20			0	0	1492	0
			21			0	0	9	0
			26			0	0	0	40363
			42			0	-1	0	0
							99055	198366	100017
199001	00026	00276	10			0	90103	0	0
			11	3017719E001	0217087E000	0	0	21848	0
			17			0	0	0	341449
			20			0	0	25193	0
			21			0	0	2852	0
							90103	49893	341449
199001	00032	00276	10			0	5849	0	0
			11	3017051N001	0217051N000	0	0	28	0
			11	3017717N007	0217051N000	0	0	4012	0
			17			0	0	0	70
			20			0	0	209	0
							5849	4249	70
199001	00033	00276	10			0	8962	0	0
			11	3017051N001	0217051N000	0	0	43	0
			11	3017717N007	0217051N000	0	0	11189	0
			17			0	0	0	1958
			20			0	0	780	0
			21			0	0	60	0

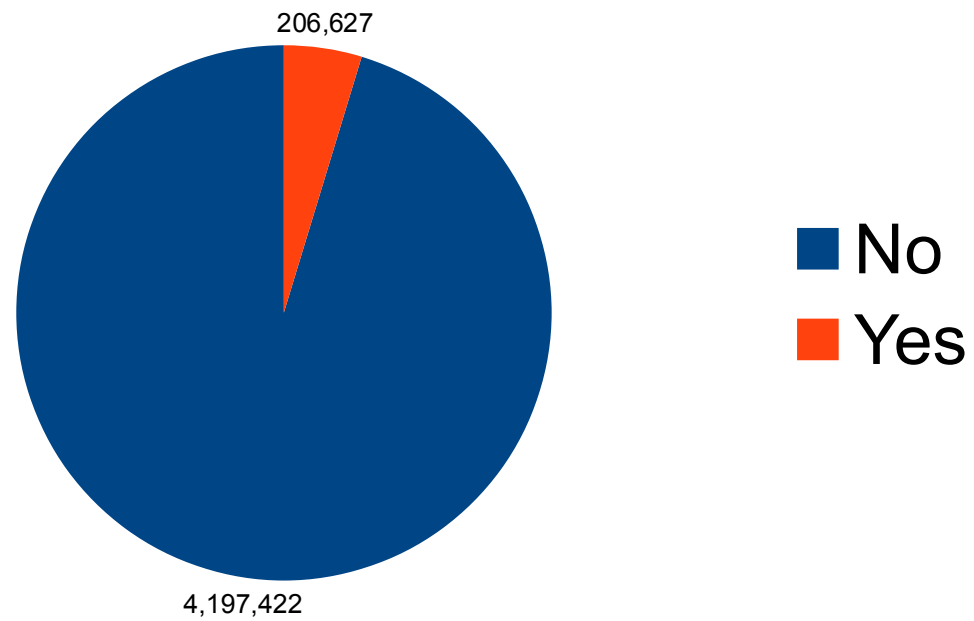
Page Distribution (1-10 pages per PDF)

Pages	Number
1	1,477,612
2	793,958
3	319,009
4	262,563
5	162,197
6	136,250
7	101,520
8	103,803
9	68,790
10	65,945

Page distribution by range

Range	Number
1	1,477,612
2-14	2,203,216
15-100	616,552
101-1,000	104,766
1,001+	1,902

Encrypted PDFs



Encryption Type	Number
yes (print:yes copy:yes change:no addNotes:yes)	101148
yes (print:yes copy:yes change:no addNotes:no)	56266
yes (print:yes copy:no change:no addNotes:no)	30387
yes (print:yes copy:yes change:yes addNotes:yes)	12515
yes (print:yes copy:no change:no addNotes:yes)	3292
yes (print:yes copy:no change:yes addNotes:yes)	1107
yes (print:no copy:no change:no addNotes:no)	797
yes (print:yes copy:yes change:yes addNotes:no)	553
yes (print:yes copy:no change:yes addNotes:no)	457
yes (print:no copy:yes change:no addNotes:no)	58
yes (print:no copy:yes change:yes addNotes:yes)	22
yes (print:no copy:no change:yes addNotes:yes)	8
yes (print:no copy:no change:no addNotes:yes)	7
yes (print:no copy:yes change:no addNotes:yes)	7
yes (print:no copy:no change:yes addNotes:no)	2

What domains have the most PDFs?

gpo.gov with 1,082,735 PDFs

Followed by:

usda.gov

house.gov

army.mil

bea.gov

census.gov

With PDFs over 1 page?

`gpo.gov` = 594,430

usda.gov
house.gov
uscis.gov
uscourts.gov
army.mil
tres.gov
noaa.gov

What about 20+ pages

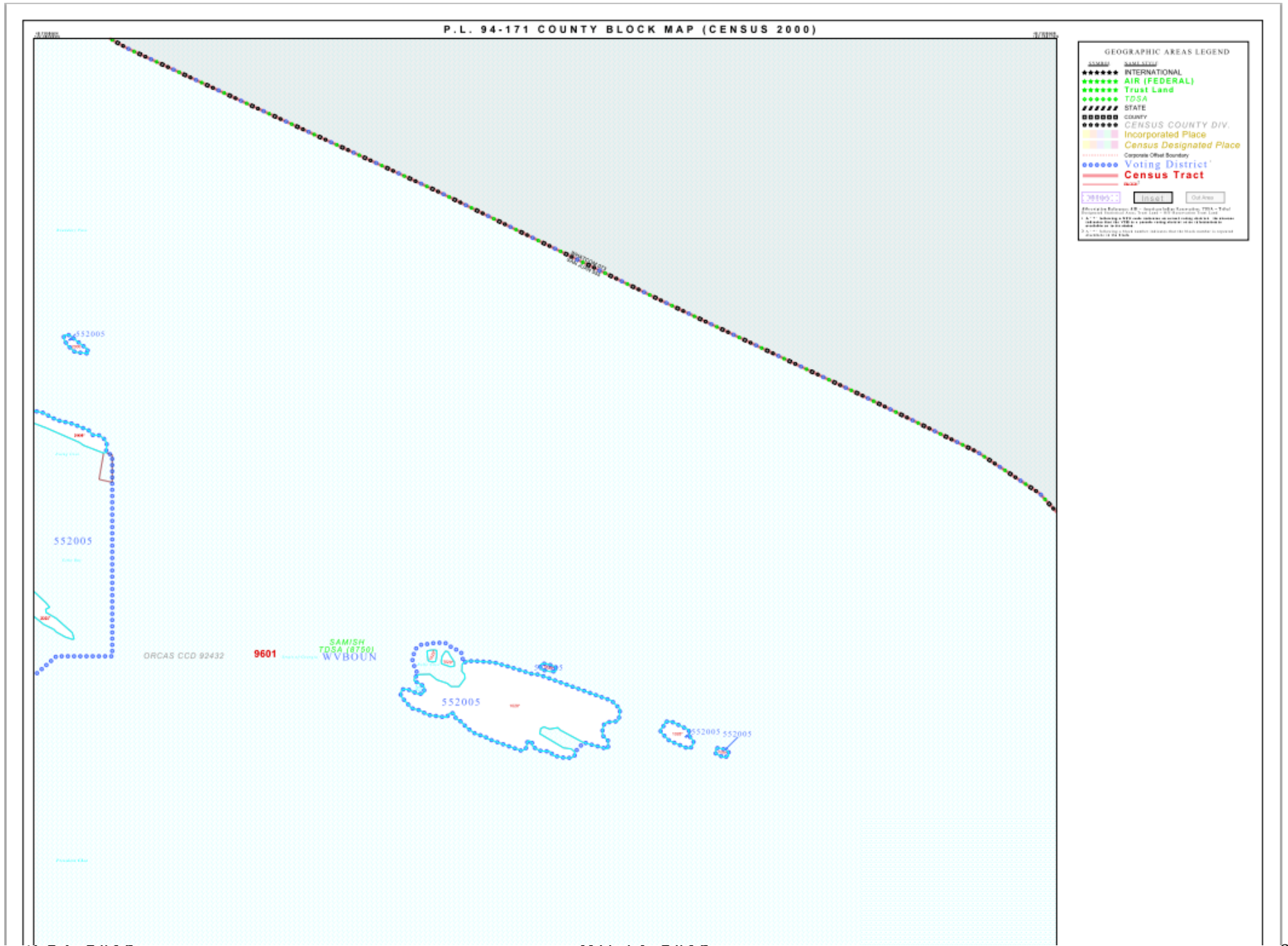
gpo.gov
gao.gov
epa.gov
usda.gov
army.mil
noaa.gov

The list starts to change

We indexed the “size” of the items.

Inches square of the first page

Area over 500 inches square finds us this stuff

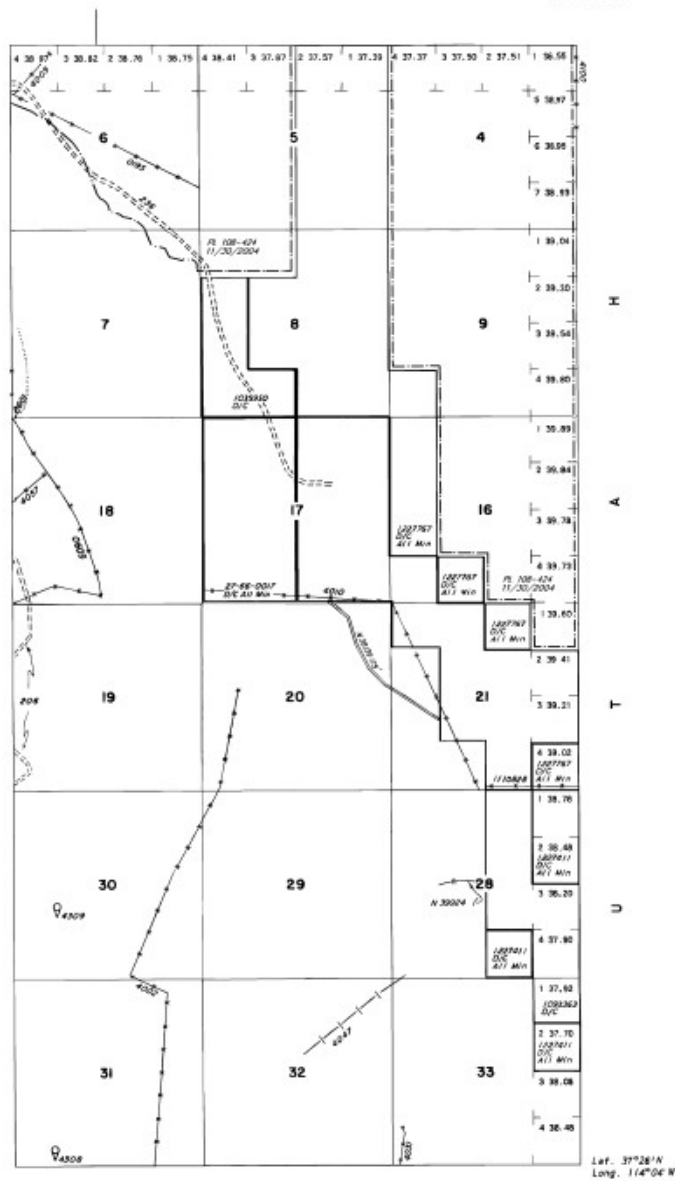


LINCOLN COUNTY
ELY GR DIST

MT PLAT

[illegible]

FOR ORDERS EFFECTING DISPOSAL OR USE OF
UNIDENTIFIED LANDS WITHDRAWN FOR CLASSIFICATION,
MINERALS, WATER AND/OR OTHER PUBLIC PURPOSES,
REFER TO INDEX OF MISCELLANEOUS DOCUMENTS.



WARNING STATEMENT

This part is the Bureau's Record of Title and should be used only as a graphic display of the township survey data. Records herein do not reflect title changes which may have been effected.

Maps, Posters, Charts

There are 121,490 of these in the archive

The goal is to better understand the content
“hidden” in the Web archive

Surface this content and establish it as “first order”
content in a digital library

We wanted to build usable collections out of this content.

Find the needles in the haystack

Here is a concrete example

In the 2008 EOT Crawls

We captured brac.gov

Defense Base Closure and Realignment Commission



Defense Base Closure and Realignment Commission

[2005 Defense Base Closure and Realignment Commission Report](#)

Home
About
Process
Final Report
Media
Libraries
Contact Us

Welcome to the 2005 Defense Base Closure and Realignment (BRAC) Commission's official website. Our goal is to assist the American public, including interested stakeholders, to fully understand the open and transparent process through which our work is conducted. The website will also serve as a means by which you may share your thoughts, concerns, or suggestions with the Commissioners. [Your input](#) is appreciated.

The Congress established the 2005 BRAC Commission to ensure the integrity of the base closure and realignment process. As directed by law, the Commission will provide an objective, non-partisan, and independent review and analysis of the list of military installation recommendations issued by the Department of Defense (DoD) on May 13, 2005. The recommendations provided by DoD are extremely complex and interrelated and will require in-depth analysis and careful attention to detail. The Commission will follow a fair, open, and equitable process, as set forth by statute. The Commission's mission is to assess whether the DoD recommendations substantially deviated from the Congressional criteria used to evaluate each military base. While giving priority to the criteria of military value, the Commission will also take into account the human impact of the base closures and will consider the possible economic, environmental, and other effects on the surrounding communities.

[Click Here to Contact the BRAC Commission](#)

Links

- [DoD List](#)
- [Public Law](#)
- [Procedural Rules of the Commission](#)
- [Charter](#)
- [Commissioners](#)
- [Selection Criteria](#)
- [Force Structure](#)
- [Department of Defense Base Structure Report](#)
- [FY 2005](#)
- [DoD BRAC website](#)

Final Deliberations and Decisions

Click [HERE](#) to view material related to the commission's final deliberations and decisions.

Motion voting results are now available.

Major Steps After the Final 2005 BRAC Commission Report was Submitted to the President on September 8, 2005

[September 15, 2005 letter from President Bush to Chairman Principi approving the Commission's recommendations](#)

[Final Vote Results of the House of Representatives](#)

2005 Commission Activities

September 8, 2005
BRAC Commission Final Report Submitted to the President

[Commission Schedule](#)

[Hearing transcripts and additional information](#)

[Other opportunities for public input](#)

The site contained over 14,000 documents

Over a million pages of documentation

Only 260 results in google
site:brac.gov

About this Collection

Explore this Collection

Explore all Collections

Defense Base Closure and Realignment Commission

Everything | Text | Image | Sound | Thesis or Dissertation | More ▾

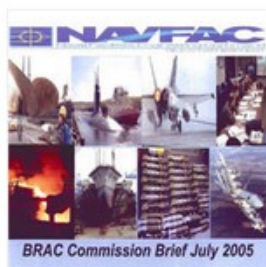
fulltext

■ Advanced Search

■ Search Help

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What's Inside this Collection.



About the Defense Base Closure and Realignment Commission

The 2005 Defense Base Closure and Realignment Commission was a 9-member independent commission appointed by President Bush with the advice and consent of the Senate. Its purpose was to provide "an objective, non-partisan, and independent review and analysis of the list of military installation recommendations issued by the Department of Defense." Recommendations were evaluated against a list of specific criteria which emphasized military value, but also considered costs and savings, economic impact on communities near military installations, community infrastructure, and environmental impact. The Commission undertook public hearings, site visits, and other information-gathering activities before presenting its findings in a report to the President on September 8, 2005.

Informally known as "BRAC" (Base Realignment and Closure) the process has been through five rounds. The 1988 Commission was authorized by Public Law 100-526. Subsequent Commissions in 1991, 1993, 1995, and 2005 were

Latest Additions

Contributors



2005 Defense Base Closure and Realignment Commission Report: Volume One
Added: 02/08/2013



2005 Defense Base Closure and Realignment Commission Report: Volume Two
Added: 02/08/2013



Create an Integrated Weapons and Armaments Specialty for Guns and Ammunition.
Added: 10/06/2010

[About this Collection](#)[Explore this Collection](#)[Explore all Collections](#)**Resource Type:**

- ✦ Text (7,170)
- ✦ Letter (4,309)
- ✦ Book (1,659)
- ✦ Dataset (605)
- ✦ Legal Document (425)
- ✦ More...

Country:

- ✦ United States (14,126)
- ✦ Puerto Rico (23)
- ✦ Guam (18)

Decade:

- ✦ 2000-2009 (12,738)

Serial/Series Title:

- ✦ 2005 BRAC Commission (12,740)
- ✦ 1995 BRAC Commission (1,430)

Search Inside the Defense Base Closure and Realignment Commission[Everything](#) | [Text](#) | [Image](#) | [Sound](#) | [Thesis or Dissertation](#) **More** ▾ [Advanced Search](#)[Search Help](#)**You limited your search to:****Collection:** Defense Base Closure and Realignment Commission

Results 1 - 10 of 14,170

**Sort by:** Title ▾

2 Letters from concerned citizens in response to the recommendation regarding the Defense Office of Hearings and Appeals in Fort Meade

Date: July 30, 2005**Creator:** unknown**Description:** Community Correspondence - 2 Letters from concerned citizens in response to the recommendation regarding the Defense Office of Hearings and Appeals in Fort Meade**Contributing Partner:** UNT Libraries Government Documents Department

2 Questions pertaining to DON-0133 and the non-BRAC Scenario (Portsmouth Naval Shipyard)

Date: August 12, 2005**Creator:** United States. Dept. of Defense.

Decade:

❖ 2000-2009 (1,355)

Serial/Series Title:

❖ 2005 BRAC Commission (1,355)

❖ 1995 BRAC Commission (662)



Fort Leavenworth, Kansas Presentation



Army-Huntsville, AL Presentation



Air Force Installations - Presentation



Air Force Installations - Presentation



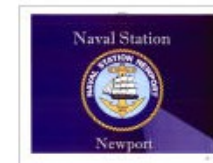
Adds Deliberations Presentation



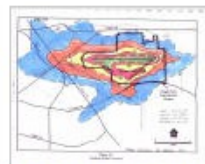
City of Philadelphia Presentation



DoD Depot - Brief; Presentation



Naval Station Newport Presentation



Air Force Installations - Maps, Presentation, Inspection Report, Presentation



DFAS San Antonio Presentation to Commission



Niagara Falls Air Reserve Station BRAC Presentation



Team El Paso Presentation to BRAC Commissioners



Presentation Regarding Fort Bliss Pt. 3



Presentation Regarding Fort Lee Pt. 4



Presentation Regarding Fort Lee Pt. 2



Presentation From Anniston Army Depot

[About this Letter](#)[Read this Letter](#)[Other items in this series \(12,740\)](#)

Letters from Clovis elementary school children to the BRAC Commission



Sequence: 1



Sequence: 2



Sequence: 3



Sequence: 4



Sequence: 5



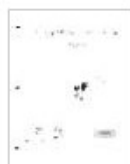
Sequence: 6



Sequence: 7



Sequence: 8



Sequence: 9



Sequence: 10



Sequence: 11



Sequence: 12



Sequence: 13



Sequence: 14



Sequence: 15



Sequence: 16



Sequence: 17



Sequence: 18



Sequence: 19



Sequence: 20

Search Inside

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More Options

[All Pages](#)

Feedback:

If you are having problems, need to report errors, or have questions or comments for the staff, please use our [Feedback Form](#).

Unique content that is now easily discoverable

Which means stuff gets found

[About this Collection](#)[Explore this Collection](#)[Explore all Collections](#)

Statistics for Defense Base Closure and Realignment Commission

[Item Usage](#)[More Data](#)

171,073 Total Uses / 14,183 Total Items (1,231,138 files) / 14,170 Visible / 13 Hidden



Usage by Month/Year

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2013	11,935	11,987	14,764	10,299									48,985
2012	5,965	7,063	7,060	6,680	6,770	6,672	8,606	8,923	7,376	9,176	8,119	7,948	90,358
2011	618	870	1,224	1,914	1,784	2,325	2,187	2,236	2,778	3,379	3,899	4,148	27,362

And people want to use it for research

Creating a unique dataset for research

How do you create subject based collections like this?

We gave it a shot

Environmental Policy Collection

We developed a collection policy

Defined the scope and the boundaries

We knew where we were going to put it

About the Digital Library

The UNT Digital Library is a centralized repository for the rich collections held by the libraries, colleges, schools, and departments at the University of North Texas.

[Read More...](#)

Statistics

Currently we have a total of **73,981** unique items, comprising **4.9 million** files. Over the last **35 days**, we've logged **269,975** uses of these items by people like you.

[More Info...](#)

Recent Additions

The Digital Library continues to grow as new partners contribute digital versions of their collections. See some of our latest materials here.

[Recent Additions...](#)

Search within the UNT Digital Library

[Everything](#) | [Text](#) | [Image](#) | [Sound](#) | [Thesis or Dissertation](#)[More](#) ▾

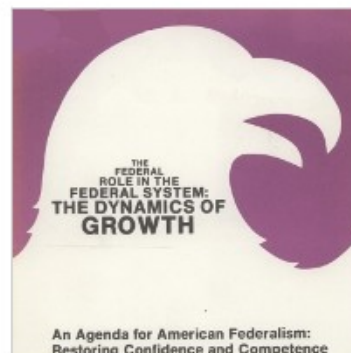
fulltext



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Featured Collections



Advisory Commission on Intergovernmental Relations

The Advisory Commission on Intergovernmental Relations (ACIR) was an independent, bipartisan intergovernmental agency established by Public Law 86-380 in 1959. The ACIR Collection is composed of the agency's publications that study the interactions between different levels of government.

[1](#) [2](#) [3](#) [4](#) [5](#)[More Collections...](#)

Featured Partner

UNT Oral History Program

Affiliated with the UNT Department of History, the Oral History Program records, transcribes, and archives oral history interviews in order to preserve the history of the North Texas region. The program also trains UNT students in the theory and methods of oral history, conducts workshops for members of the larger community, and maintains partnerships with a variety of related institutions


[Overview](#)[Locations](#)[Dates](#)[Types](#)[Partners](#)[Collections](#)

Help with Exploring

Collections group materials around specific themes. The scope may be narrow or very broad. Explore collections in the Digital Library by choosing from an alphabetic list or by selecting "all."

[See all Exploring FAQs](#)[See all Exploring Help Guides](#)

Stay updated

 Receive updates when new collections are added to the Digital Library.

Explore by Collections

[a](#) [b](#) [c](#) [d](#) [e](#) [f](#) [g](#) [h](#) [i](#) [j](#) [k](#) [l](#) [m](#) [n](#) [o](#) [p](#) [q](#) [r](#) [s](#) [t](#) [u](#) [v](#) [w](#) [x](#) [y](#) [z](#) [all](#)

Environmental Policy Collection



The Environmental Policy Collection contains reports, policy documents, and media selected from local, statewide, national, and international organizations; government and private agencies; and scientific and research institutions. The collection also contains theses and dissertations relevant to environmental policy.

[About](#)[Browse](#)[Statistics](#)

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Libraries

Technical problems?

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Links

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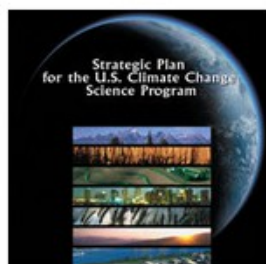
We knew how we were going to capture and
process the content

[About this Collection](#)[Explore this Collection](#)[Explore all Collections](#)

Environmental Policy Collection

[Everything](#) | [Text](#) | [Image](#) | [Sound](#) | [Thesis or Dissertation](#) | [More](#) ▾fulltext [Advanced Search](#)
[Search Help](#)[Share](#) [Feed](#) [Stats](#) [API](#)

What's Inside this Collection.



About This Collection

The Environmental Policy Collection contains a variety of open access resources that provide a balanced view on environmental issues and their potential consequences. The current focus of the collection is climate change, and the documents come from such agencies and individuals as:

- United States Climate Change Science Program
- National Oceanic and Atmospheric Administration
- International Geosphere-Biosphere Programme
- Climate Change and Agriculture and Food Security
- Earth System Science Partnership
- Intergovernmental Panel on Climate Change
- United Nations Environment Programme
- World Meteorological Organization
- University of North Texas (UNT) graduate students

About This Project

The UNT Libraries are working to identify, collect, organize, and manage digital resources relevant to environmental policy. For this endeavor, the Libraries will provide digital infrastructure and stewardship to ensure permanent access to the resources.

Latest Additions

Contributors



Deep Water: the Gulf Oil Disaster and the Future of Offshore Drilling
Added: 12/10/2012



Ultraviolet Radiation Tolerance in High Elevation Copepods from the Rocky Mountains of Colorado, USA
Added: 10/02/2012



Measuring Atmospheric Ozone and Nitrogen Dioxide Concentration by Differential Optical Absorption Spectroscopy
Added: 10/02/2012

We just had to decide on what

About this Collection

Explore this Collection

Explore all Collections

Access:

- ✦ Public (690)
- ✦ Use restricted to UNT Community (1)

Partner:

- ✦ UNT Libraries (618)
- ✦ UNT Libraries Government Documents Department (73)

Department:

- ✦ Department of Biological Sciences (60)
- ✦ Department of Biology (5)
- ✦ Department of Philosophy and Religion Studies (5)
- ✦ Department of Geography (4)
- ✦ Institute of Applied Sciences (2)
- ✦ More...

Resource Type:

- ✦ Text (504)
- ✦ Book (96)
- ✦ Thesis or Dissertation (80)
- ✦ Report (4)
- ✦ Map (2)

Search Inside the Environmental Policy Collection

Everything | Text | Image | Sound | Thesis or Dissertation | More ▾

- [Advanced Search](#)
- [Search Help](#)



You limited your search to:



Collection: Environmental Policy Collection

Results 1 - 10 of 691



Sort by: Title ▾



100% Renewable Energy - and Beyond - for Cities

Date: March 2010**Creator:** Droege, Peter

Description: This booklet sketches out the options and the processes that have started to transform urban energy systems. The document promotes carbon neutrality for communities and cities and argues that even the largest cities can make this transition, drawing on renewable energy supplies from within their boundaries, as well as from farther away. In addition to assuring urban energy security, these developments can also stimulate the growth of a very large new green economy sector.

Contributing Partner: UNT Libraries

1996 protocol to Convention on Prevention of Marine Pollution by Dumping of Wastes : message from the President of the United States transmitting 1996 protocol to the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other

❖ More...

Collection:

- ❖ Government Documents A to Z Digitization Project (44)
- ❖ Congressional Research Service Reports (24)
- ❖ USDA Farmers' Bulletins (18)
- ❖ Government Documents General Collection (3)
- ❖ CyberCemetery (2)
- ❖ More...



Climate Change Legislation in the 109th Congress

Date: September 9, 2005

Creator: Yacobucci, Brent D

Description: Climate change and greenhouse gas (GHG) emissions are a continuing issue in the 109th Congress. Bills directly addressing climate change issues range from those focused primarily on climate change research to comprehensive emissions cap-and-trade programs. Additional bills focus on GHG reporting and registries, or on power plant emissions of carbon dioxide, as part of wider controls on pollutant emissions. The bills vary in their approaches to climate change issues. This report briefly discusses the basic concepts on which these bills are based and compares major provisions of the bills in each of the following categories: climate change research, technology deployment, GHG reporting and registries, and emissions reduction programs.

Contributing Partner: UNT Libraries Government Documents Department



Climate Change Science Compendium 2009

Date: 2009

Creator: McMullen, Catherine P.

Description: This document was compiled as an annual snapshot of peer-reviewed research about climate change.

Contributing Partner: UNT Libraries



Climate Change Science Program Overview and Management

Date: December 11, 2003

Creator: U.S. Climate Change Science Program

Description: This program identifies the following criteria of interest: scientific or technical quality; relevance to reducing uncertainties and improving decision support tools; track record of consistently good past performance and identified metrics for evaluating future progress; and cost and value.

Contributing Partner: UNT Libraries

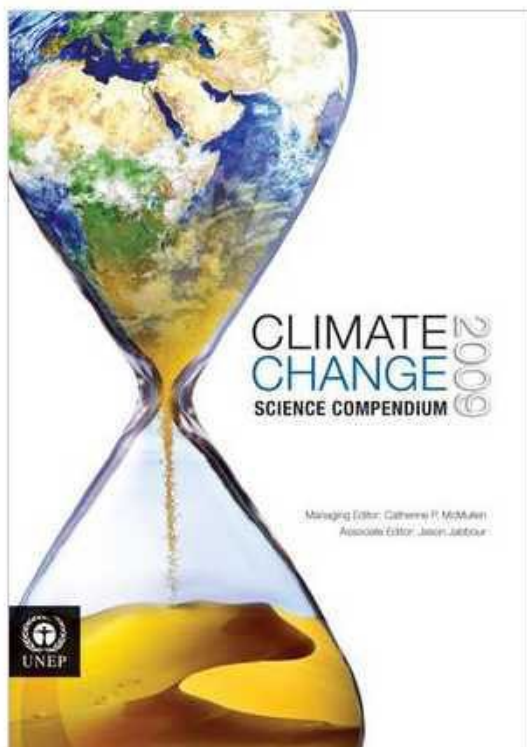


Climate Change Science Program Strategic Plan Executive Summary: Building a Course for Greater Climate Understanding

We gave each publication a proper home on the
Web

[About this Text](#)[Read this Text](#)

Climate Change Science Compendium 2009

[Brief Record](#)[Full Record](#)[Statistics](#)**Description:**

This document was compiled as an annual snapshot of peer-reviewed research about climate change.

Creator(s):

- McMullen, Catherine P.
- Jabbour, Jason

Creation Date:

2009

Partner(s):

UNT Libraries
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Collection(s):

Environmental Policy Collection
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Climate Change Science Compendium 2009

Citation

McMullen, Catherine P.. *Climate Change Science Compendium 2009*. UNT Digital Library.
<http://digital.library.unt.edu/ark:/67531/metadc28501/>. Accessed April 23, 2013.

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Climate Change Science Compendium 2009

Metadata

Metadata describes a digital item, providing (if known) such information as creator, publisher, contents, size, relationship to other resources, and more. Metadata may also contain "preservation" components that help us to maintain the integrity of digital files over time.

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- [XML Format](#)
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- [RDF/XML Format](#)

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- [XML Format](#)

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- ✦ UNT Libraries Government Documents Department (2)
- ✦ UNT Honors College (2)

Department:

- ✦ Honors College (2)
- ✦ Dance and Theatre (1)
- ✦ International Studies (1)
- ✦ Political Science (1)

Resource Type:

- ✦ Text (171)
- ✦ Book (21)
- ✦ Poster (2)
- ✦ Website (2)
- ✦ Map (1)
- ✦ More...

Country:

- ✦ United States (55)
- ✦ China (19)
- ✦ Brazil (12)
- ✦ Canada (12)
- ✦ India (12)
- ✦ More...

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"climate change"

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Kyoto Protocol to the United Nations Framework Convention on Climate Change

Date: 1998**Creator:** United Nations Framework Convention on Climate Change (Organization)

Description: The Kyoto Protocol is an international agreement linked to the United Nations Framework Convention on Climate Change. The major feature of the Kyoto Protocol is that it sets binding targets for 37 industrialized countries and the European community for reducing greenhouse gas emissions. Recognizing that developed countries are principally responsible for the current high levels of GHG emissions in the atmosphere as a result of more than 150 years of industrial activity, the Protocol places a heavier burden on developed nations under the principle of "common but differentiated responsibilities."

Contributing Partner: UNT Libraries

Global Technology Project Report

Date: unknown**Creator:** Great Britain. Office of Climate Change

Description: This report discusses the financial barriers to making reductions in carbon emissions, as well as policies for dealing with those barriers.

Contributing Partner: UNT Libraries

[Basic Search](#)[Advanced Search](#)[Search Results](#)**Partner:**

- ✦ UNT Libraries (58)
- ✦ UNT Honors College (1)
- ✦ University Relations, Communications & Marketing department for UNT (1)

Department:

- ✦ Department of Biological Sciences (1)
- ✦ Finance, Insurance, Real Estate, and Law (1)
- ✦ Honors College (1)
- ✦ International Studies (1)

Resource Type:

- ✦ Text (51)
- ✦ Book (5)
- ✦ Map (1)
- ✦ Poster (1)
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Country:

- ✦ United States (23)
- ✦ Japan (8)
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Regional Highlights from Global Climate Change Impacts in the United States

Date: 2009**Creator:** U.S. Global Change Research Program**Description:** This fact sheet describes climate change scenarios in Southwest region of the United States.**Contributing Partner:** UNT Libraries

State of the Climate in 2009

Date: June 2010**Creator:** Andt, D. S.**Description:** This report describes observations of precipitation, temperature, and other climatology metrics from different global regions.**Contributing Partner:** UNT Libraries

Widespread climate-related impacts are occurring now and are expected to increase

Which allows for browsing and unexpected
discovery of resources

Basic Search

Advanced Search

Search Results

Department:

- ✦ Chemistry (1)
- ✦ College of Business Administration (1)
- ✦ Department of Higher Education (1)
- ✦ Department of Radio, Television and Film (1)

Resource Type:

- ✦ Text (9)
- ✦ Thesis or Dissertation (4)
- ✦ Book (1)

Country:

- ✦ United States (2)
- ✦ Burkina Faso (1)
- ✦ Cameroon (1)
- ✦ Ethiopia (1)
- ✦ Gabon (1)
- ✦ More...

Decade:

- ✦ 2010-2019 (3)
- ✦ 2000-2009 (8)
- ✦ 1940-1949 (1)

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"adaptation"

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Towards New Scenarios for Analysis of Emissions, Climate Change, Impacts, and Response Strategies

Date: 2008**Creator:** Intergovernmental Panel on Climate Change

Description: This report summarizes the findings and recommendations from the Expert Meeting on New Scenarios, which focuses on the policymaking perspective of climate change, and on climate modeling scenarios for near term and long term.

Contributing Partner: UNT Libraries

Margaret Dale, Adapting the Stage to the Screen: Aesthetic, Appropriation, and Intimacy in Ballet Programming for Post-War BBC Television

Date: December 2010**Creator:** Escue, Jessica Margaret

Description: This thesis examines the aesthetic of ballets adapted for BBC Television by producer Margaret Dale, beginning with her entrance to the BBC's training program in 1955 and culminating with her commissioned work Houseparty, which aired in 1964. A historical and organizational framework is discussed regarding the BBC's cultural mission and view of arts programming, as well as general developmental milestones in programming contextualizing Dale's working conditions. Particular focus is placed upon the appropriation of Romantic narrative ballets and their significance.

We added a number of APIs to the collection

On this Page

[Introduction](#)[The API](#)[OAI-PMH](#)[SRU](#)[OpenSearch](#)[Thumbnails](#)[Identifiers](#)

APIs for Environmental Policy Collection

Introduction

The UNT Digital Library provides public access to number of application programming interfaces (APIs) to the collections within the system. Below are examples of APIs available for Environmental Policy Collection that can be used openly by those interested in programatically accessing data from this system. You do not need to apply for a special key to use these APIs.

For additional information about these APIs or if you have general questions about machine interaction with the UNT Digital Library please contact [Mark Phillips](#).

Note that all example URLs below use the same protocol and server name, <http://digital.library.unt.edu/explore/collections/ESDC/>. We only show the URL paths and parameters below to save space.

The API

OAI-PMH

The Open Archives Initiative's Protocol for Metadata Harvesting (OAI-PMH) allows programmatic access to this collection's metadata. Two metadata formats are currently supported, the standard oai_dc and the UNT Libraries native metadata format untl.

Below are example URLs which demonstrate some of the standard views of this OAI-PMH repository:

- [oai/](#)
base URL for OAI-PMH repository
- [oai/?verb=Identify](#)
Display information about this repository
- [oai/?verb=ListMetadataFormats](#)
List available metadata formats
- [oai/?verb=ListSets](#)
List available sets
- [oai/?verb=ListRecords&metadataPrefix=oai_dc](#)
Display records in the oai_dc metadata format
- [oai/?verb=ListRecords&metadataPrefix=untl](#)
Display records in the untl metadata format

And people began to use it

[About this Collection](#)[Explore this Collection](#)[Explore all Collections](#)

Statistics for Environmental Policy Collection

[Item Usage](#)[More Data](#)**95,675** Total Uses / **692** Total Items (46,602 files) / **691** Visible / **1** Hidden

Usage by Month/Year

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2013	3,789	3,897	5,272	2,915									15,873
2012	2,724	3,662	3,590	3,553	3,528	3,287	3,384	3,835	4,483	5,787	4,810	3,632	46,275
2011	1,922	1,660	1,666	1,904	2,271	1,858	1,654	1,812	2,093	2,722	2,636	2,287	24,485

We should hit 100,000 item uses next month

600 items with 100,000 uses in three years

Not bad.

This work has surfaced more questions than
answers

Should we be doing this?

If a vendor offered this service we would probably
subscribe to it.

To me it looks very similar to what libraries have
always done.

How do we scale this activity?

How do we distribute the work and responsibility
for building collections of born digital content?

How do we build the infrastructure that supports this kind of digital library work?

How do we empower collection libraries, subject experts, liaisons to make selection decisions and contribute to an actively growing collection of resources?

How do we make it efficient, scalable, and fun?

Anyone can **point** to a web site or document, but we have a special name for those that select, acquire, organize, and preserve information and provide access to and services for that information: We call them Libraries.

Mark.phillips@unt.edu

<http://digital.library.unt.edu/>

<http://texashistory.unt.edu/>