

# Developing an Institutional Repository: A DigiTool Experience at Colorado State University

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Digital Repositories Services

# Outline of this Presentation

- Overview of CSU Digital Repository
- Examples of our material
- Web customization
- Implementation of handle
- Metadata and Object Ingest
- Managing Statistical Data
- Integrate DigiTool with harvesters
- Conclusion

# Background

- DigiTool implementation since May 2007; in production since March 2008
- Use CONTENTdm since 2001
- Nearly 4,000 digital objects created in the past and we are migrating items from CONTENTdm to DigiTool
- Has over 18,400 items, simple and complex objects (by April 5,2010)

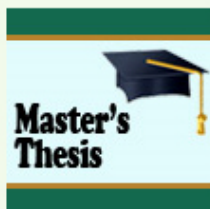
# Purpose


- Highlight and provide open access to CSU faculty and student research
- Preserve and make accessible CSU intellectual assets and institutional memory
- Increase CSU's visibility to the world
- Store and provide access to datasets

# Why DigiTool

- Relatively mature product & tech support
- Less investment from local IT
- Established file formats & metadata standards
- A pleasant user interface
- Other Ex Libris products - SFX & MetaLib

# Electronic Theses & Dissertations



<b>Object</b>	 The economic benefits of off highway veh... - PDF Document (1 M)
<b>Bookmarkable URL</b>	<a href="http://hdl.handle.net/10217/1469">http://hdl.handle.net/10217/1469</a>
<b>Authors</b>	Deisenroth, Daniel Bryan
<b>Title</b>	The economic benefits of off highway vehicle recreation in Larimer County, Colorado
<b>Keywords</b>	Off Highway Vehicle recreation ; OHV ; Larimer County, Colorado ; Travel Cost Model ; TCM ; Contingent Valuation Model ; CVM
<b>Subjects</b>	Off-road vehicles — Economic aspects — Colorado — Larimer County Outdoor recreation — Economic aspects — Colorado — Larimer County
<b>Description</b>	vi, 70 p. Includes bibliographical references (p. 52-57)
<b>Abstract</b>	This thesis estimates the non-market benefits associated with Off Highway Vehicle (OHV) recreation in Larimer County, Colorado. We use a Travel Cost Model (TCM) and a Contingent Valuation Model (CVM) to estimate benefits to three different types of users: Dirt Bike Riders, All Terrain Vehicle (ATV) Riders, and 4-Wheel Drive (4x4) users. Using CVM we find the consumer surplus estimates to be between \$87 and \$207 per person per day, depending on model specification. This equates to a per summer per trail consumer surplus between \$282,908.50 and \$674,997.80, and a Larimer County OHV surplus per summer to be between \$1,026,542 and \$2,449,249. These results are consistent with previous research on OHV recreation (e.g. Englin et. al, 2006, Loomis, 2006). We also find that for our sample, the travel cost model does not find significance in the travel cost variable. We believe that this may be due to our open-ended travel cost question, or due to the fact that most OHV recreationists are traveling from the same area.
<b>Publisher</b>	Colorado State University. Libraries
<b>Date</b>	2008
<b>Degree Name</b>	Master of Science (M.S.)
<b>Department</b>	Agricultural and Resource Economics
<b>Degree Grantor</b>	Colorado State University
<b>Rights</b>	Copyright of original work is retained by the author.
<b>Related collections</b>	<a href="#">CSU Departments and Schools</a> > <a href="#">Agricultural and Resource Economics</a> > <a href="#">Theses and Dissertations</a> > <a href="#">1980-Current</a> <a href="#">CSU Theses and Dissertations</a> > <a href="#">1980-Current</a>

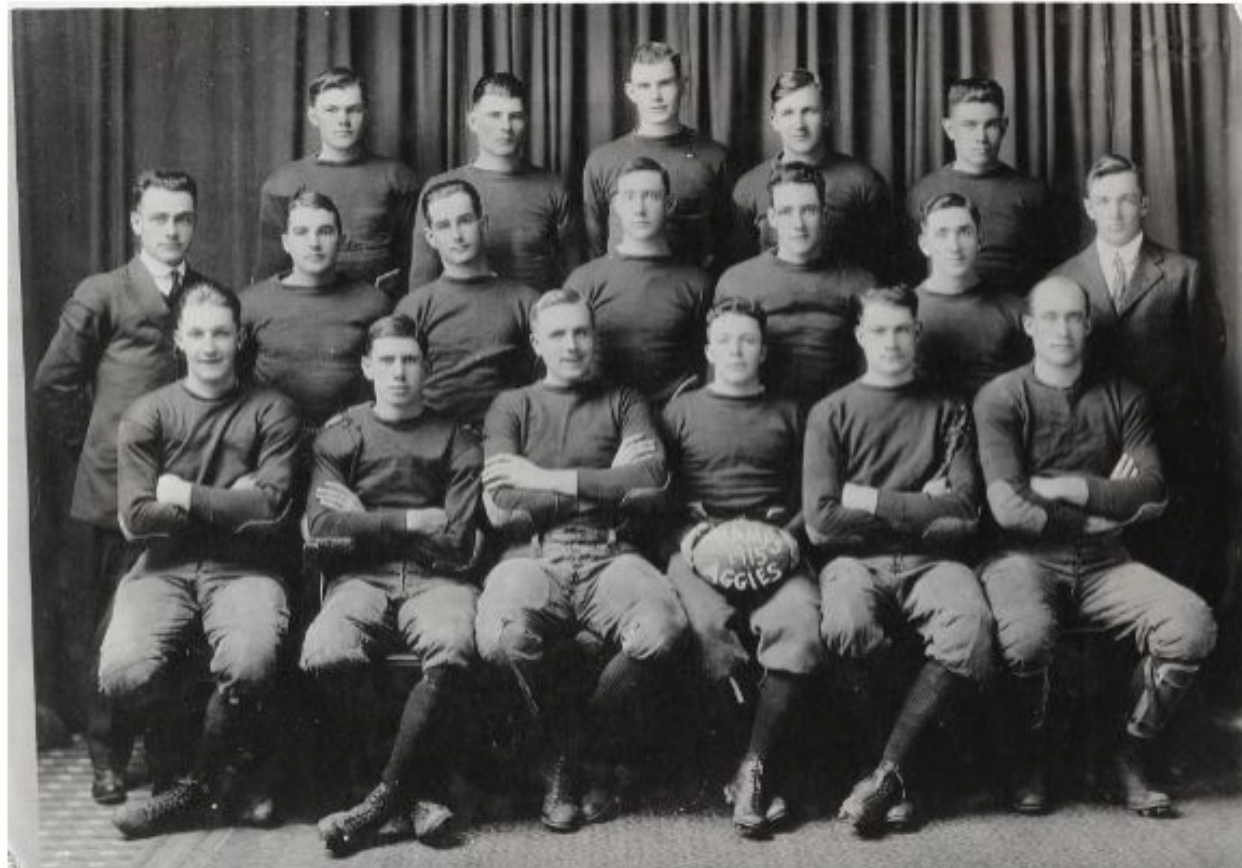
# Images - Photographs

University Historic Photographs – 13896 items

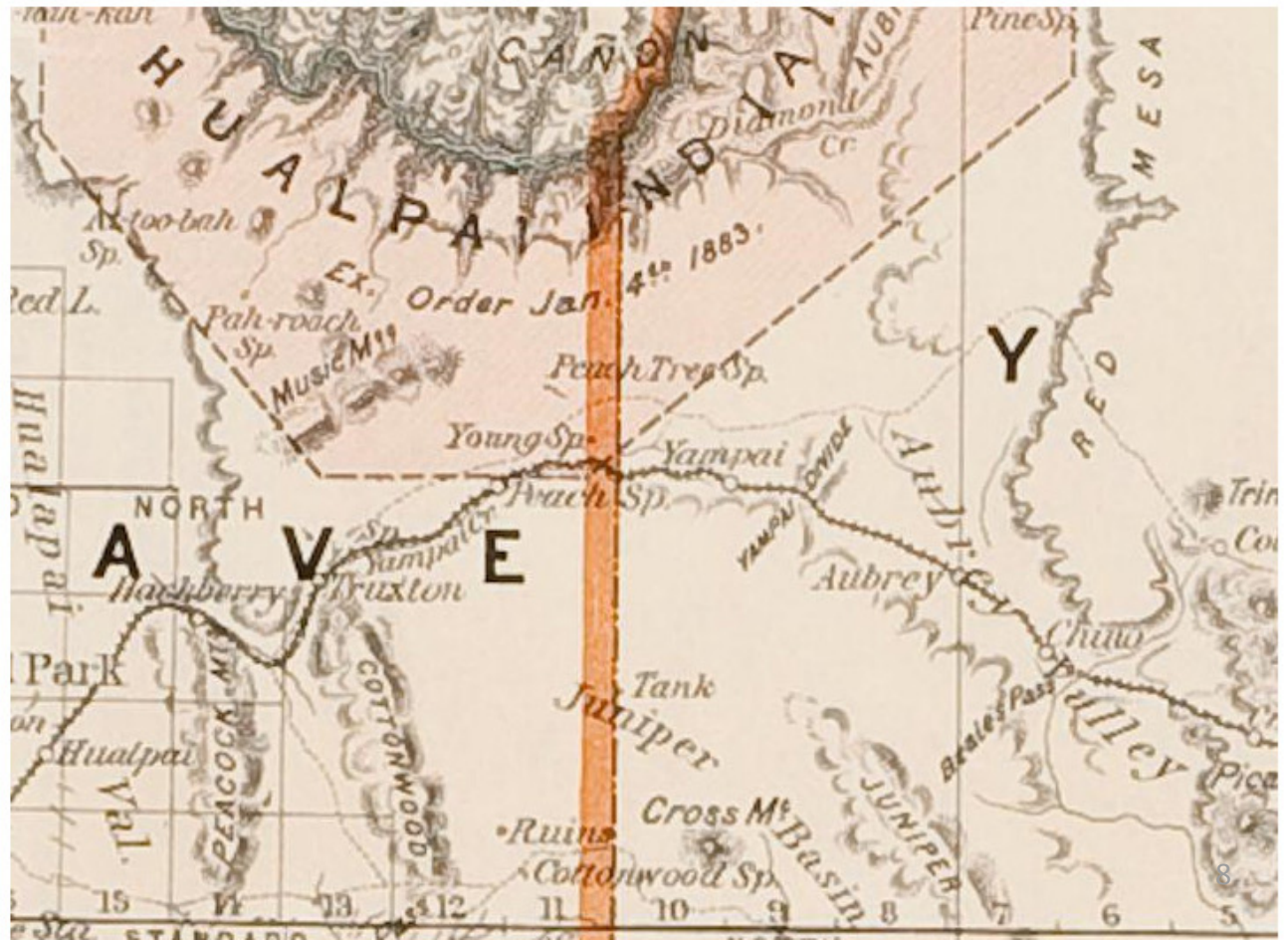
View Options




1915 Football team



# Images - Maps



# Images - Painting

View Options 

Char



# Faculty Presentation

2EA665F6d01 - Adobe Acrobat Pro

File Edit View Document Comments Forms Tools Advanced Window Help

1 / 118 74.8% Find

## CREATING DIGITAL COLLECTIONS



Colorado State University LIBRARIES

### Colorado Agriculture and Rural Life

Digital Collection



ROCKY MOUNTAIN Union Farmer 50th Anniversary Edition



1968 ANNIVERSARY 20th CENTRAL PENNSYLVANIA FESTIVAL



10

# Video

Discovery | Catalog | Regional Catalog | Databases | Journals | Archives | Digital Collections | **Repository**

## Digital Repository

Research and scholarship of CSU faculty and students


[Search / Browse](#) | **Results** | [Previous Searches](#) | [My Account](#)

Search '**W-All Metadata= facfanis% % % % % vido**' in '**Admin Unit CSU01**' Collection [ Sorted by: Creator/Title ]

[Brief view](#) | [Table view](#) | **Full view**

Record 1 of 6



<b>Object</b>	 Moving cattle quietly out of a gate - WMV file (1 M)
<b>Bookmarkable URL</b>	<a href="http://hdl.handle.net/10217/652">http://hdl.handle.net/10217/652</a>
<b>Authors</b>	Grandin, Temple
<b>Title</b>	Moving cattle quietly out of a gate
<b>Keywords</b>	cattle ; handling
<b>Description</b>	This video clip demonstrates how to move cattle out of a gate at a controlled, steady pace.
<b>Publisher</b>	Colorado State University. Libraries
<b>Extent</b>	25 seconds
<b>Department</b>	Animal Sciences
<b>Rights</b>	Copyright of the original work is retained by the author.
<b>Related collections</b>	<a href="#">CSU Departments and Schools</a> > <a href="#">Animal Sciences</a> > <a href="#">Educational Videos</a>

# Complex Digital Objects

000004119 &gt;&gt; Colorado water rights &gt; Vol. 8

Table of Contents

000004119 ◀ No Match ▶

  [Colorado water rights](#)

[+ Vol. 1](#)

[+ Vol. 2](#)

 Vol. 3

[+ Vol. 4](#)

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[+ Vol. 21](#)


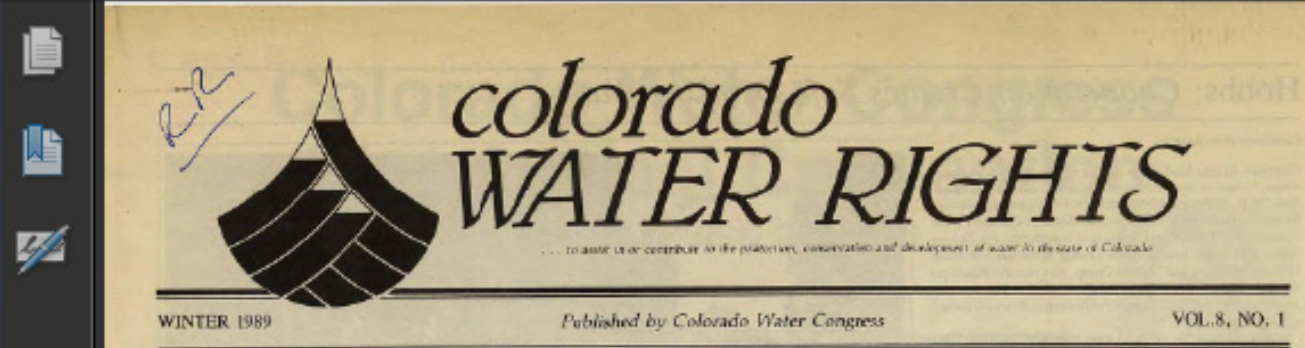
[+ Vol. 22](#)

[+ Vol. 23](#)

[+ Vol. 24](#)

ADC59402d01 - Adobe Acrobat Pro

File Edit View Document Comments Forms Tools Advanced Window Help



## Board Acts on Future of CWC

During the past sixteen months, the Colorado Water Congress (CWC) Board of Directors has been wrestling with and then deciding the future of CWC. This effort stems from a basic question: namely: Does CWC have a useful value, or does CWC have little or no value? Any time that such a question is asked, you will experience a healthy re-examination of an organization. In such an endeavor, you start from scratch so-to-speak to determine what is the reason for the organization as if it were being created NEW.

In order to assist the Board, a questionnaire was prepared and sent out to the membership. Ninety-two members did respond and the Board found the responses to be most useful. A

one-day "structured-unstructured" session was then held by the Board and select CWC members to discuss "everything" about CWC. The "everything" discussion included, for example, CWC missions, staffing, articles at by-laws, budget, workshops, litigation efforts, composition of committees, committee policies, etc. Everything, but everything, was on the table. Out of this "free-wheeling - no holds barred" session came the areas that needed further examination.

Without going into a blow-by-blow account of the next twelve months, the Board, at their October 13, 1988 meeting, made the following decisions:

1. It was determined that the four main tasks of CWC are

advocacy, education, information and serving as a forum.

2. Recommendation to the membership at the 1989 CWC Annual Business Meeting to amend to the "Introduction" section of the CWC Amended and Restated Articles of Incorporation. This amendment would make abundantly clear what has always been a fact—that CWC members recognize the need to achieve harmony between the water resources and the other natural resources of the state, and to that end, the members will strive to ensure a quality environment in Colorado. Farmers and ranchers, for example, because of their dependence on all natural resources were really the *first* environmentalists.

Continued on page 7

## The Saga of Stagecoach

by John Peaslee

**UPDATE:** Endangered Species <sup>12</sup>  
Recovery Program in the

# Web Interface Customization

1. What can be customized
  - Icons
  - Menu
  - Footer
  - List of sort types
2. More difficult customization
  - General page layout
3. Things needed to pay attention
4. Most DigiTool sites look similar

# CSU Digital Repository

<http://digitool.library.colostate.edu/R>

## Digital Repository Research and scholarship of CSU faculty and students

[Search / Browse](#) [Results](#) [Previous Searches](#) [My Account](#)

[About](#) [End Session](#) [Help](#)

Guest

[Simple Search](#) [Advanced Search](#)

A word or phrase:

☒ Contains ☐ Exact ☐ Starts With

Select collection:

### Browse Collections

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[Agricultural and Resource Economics](#) , [Animal Sciences](#) ,  
[Anthropology](#) ...

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#### [CSU Theses and Dissertations](#) (217)

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#### [CSU Colleges](#) (1573)

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[University Library](#)

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[Cooperative Institute for Research in the Atmosphere](#) ...

#### [CSU Journal Publications](#) (21)

[Journal of Student Affairs](#) , [Furthering Perspectives](#)

#### [Student Research Projects](#) (43)

[Celebrate Undergraduate Research and Creativity \(CURC\) Showcase](#)

# Boston College eScholarship

[http://dcollections.bc.edu/R/?func=search&local\\_base=gen01-bcd03](http://dcollections.bc.edu/R/?func=search&local_base=gen01-bcd03)

## eScholarship@BC

Boston College Libraries  
Log On

Digital Collections

Search

Results

Previous Searches

Settings

Basket

Help

Guest

Simple Search

Advanced Search

Select collection:

eScholarship@BC

GO

A word or phrase:



Contains



Exact



Starts With

**Browse eScholarship@BC**

Graduate Theses and Dissertations

(210)

Carroll School of Management , Connell School of Nursing , Graduate School of Arts & Sciences ...

Undergraduate Honors Theses (263)

College Honors Program , Economics Honors Program , History Honors Program ...

Research Unit, Center, or Department

(948)

Center for Retirement Research , The Church in the 21st Century , Economics Department ...

Faculty Publications (1663)

Arts & Sciences , Carroll School of Management , Connell School of Nursing ...

Dept. of Business Law, Carroll School

of Management (105)

History of Boston College (25)

GSAS , Occasional papers , Women

# Center for Jewish History

<http://digital.cjh.org/R?RN=552119112>

CENTER  
OF JEWISH  
HISTORY

## Digital Collections

American Jewish Historical Society  
American Sephardi Federation  
Leo Baeck Institute  
Yeshiva University Museum  
YIVO Institute for Jewish Research

Search or  
Browse

Results

Previous  
Searches

Register

My  
Space

About  
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CJH on  
flickr

CJH User  
Survey 2010



Guest

Simple Search

Advanced Search

Select collection:

SEARCH

A word or phrase:

☒ Contains ☐ Exact ☐ Starts With

## Collections

### Collections by Type (20215)

[Albums & Scrapbooks](#) , [Archival Finding Aids](#) ,  
[Books](#) ...

### Center for Jewish History (271)

[...And the Air Stood Still: Remembrances](#) ,  
[Dissertations](#) , [Faces of Israel](#) ...

### YIVO Institute for Jewish Research

### American Jewish Historical Society

(3683)  
[Finding Aids for AJHS's Archival Materials](#) ,  
[American Soviet Jewry Movement Photographs](#)  
(1-494) , [Association for Free Distribution of](#)  
[Matsot to the Poor \(New York, N.Y.\) records,](#)  
[1855-1858](#) ...

### Leo Baeck Institute (10795)

[LBI Archives](#) , [LBI Art Collection](#) , [LBI Library](#)  
...

### Recently Completed Digitization

### American Sephardi Federation (3523)

[Sephardic American Voices: An Oral History](#)  
[Project](#) , [Engravings](#) , [Finding Aids for ASF's](#)  
[Archival Materials](#) ...

### Yeshiva University Museum (1488)

[Abe Grubère Collection](#) , [Children's Books](#) ,  
[Finding Aids for YUM's Archival Materials](#) ...

# State University System of Florida

<http://digitool.fcla.edu/R>



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Guest

**Basic Search**

**Advanced Search**

Select collection:  

**GO**

A word or phrase:

☒ Contains ☐ Exact ☐ Starts With

## Collections

### All Collections (28680)

[African Map Collection](#) , [Antarctic Map Collection](#) ,  
[Arctic Map Collection](#)

### Collections by Topic (53258)

[Art](#) , [Children's Literature](#) , [Environment/Natural History](#)

### Oral History (37)

[Florida Voices](#)

### Archives Florida (1109)

[Bethune-Cookman University Inventories](#) , [Broward County Library - Bienes Museum of the Modern Book Inventories](#) , [Florida Atlantic University Inventories](#)

### Collections by Type (30837)

[Archival Finding Aids](#) , [Maps](#) , [Music](#)

### Collections by Media (27527)

[Audio](#) , [Images](#) , [Text](#)

### Items by Contributor (29165)

[Broward County Library](#) , [Florida A & M University Libraries](#) , [Florida Atlantic University Libraries](#)


# Leeds University Digital Objects

<http://ludos.leeds.ac.uk:8881/R/>

Leeds University Digital Objects  
University Library



UNIVERSITY OF LEEDS

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[Login](#) | [End session](#) | [Page help](#) | [LUDOS help](#)

Guest

Simple Search

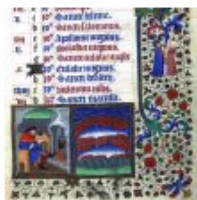
[Advanced Search](#)

Select collection: All Collections 

A word or phrase:

Contains ☒ Exact ☐ Starts With ☐

GO



[Medieval Manuscripts](#)



[Music](#)



[History of Art](#)



[Library Collections](#)



[Timescapes](#)



[Historical Physics Instruments](#)



[ALPS](#)

# Web Interface Customization

- Basic web interface customization is simple.  
Mainly work with CSS files
- Define styles for hyperlinks

```
a.TB:link, a.TB:visited, a.TB:hover {  
color:#13694E;  
font-family:'Arial Unicode  
MS',TAHOMA,ARIAL,VERDANA,sans-serif;  
font-size:80%;  
height:18px;  
padding-bottom:2px;  
padding-left:6px;  
padding-right:6px; }
```

# Permanent URL

<http://hdl.handle.net/10217/1552>



## Object



Recommended animal handling guidelines f... - PDF Document (3 M)

## Bookmarkable URL

<http://hdl.handle.net/10217/1552>



## Authors

Grandin, Temple

## Title

Recommended animal handling guidelines for meat packers

## Subjects

Livestock — Handling

## Description

Proper livestock handling is extremely important to meat packers for obvious ethical reasons. Once livestock arrive at packing plants, proper handling procedures are not only important for the animals' well-being, but can also mean the difference between profits and losses due to meat quality or worker safety. The Humane Slaughter Act of 1978 dictates strict animal handling and slaughtering standards for packing plants. Those standards are monitored by some 7,000 federal meat inspectors nation-wide. The meat packing industry takes these standards very seriously. For the best results in animal handling, plant management must make proper handling and stunning a high priority. Top management must play an active role. Plants with the best handling and stunning practices have managers who closely monitor stunning and handling practices. This manual provides employees and managers with information which will help them improve both handling and stunning. Employees handling hundreds of animals day after day sometimes need reminders from management that animals must always be handled carefully.

# Implement Handles

- <http://hdl.handle.net/10217/1553>
  1. prefix (hdl.handle.net)
  2. institution ID (10217)
  3. object ID (1153).
- Implementing handles is more complicated than web interface customization

# General Configuration

- pi\_profiles\_rules.xml

## Default pi\_profiles\_rules.xml

```
<!-- profile setting example -->
<rl:de_rule name="View type Handle
rule"><!-- omitted code -->
<rl:de_rule name=" view main handle
rule"><!-- omitted code -->
<!-- profile setting -->
<pi_profile name="handle_profile">
<pi_type>handle</pi_type>
<pi_prefix
required="true">12345</pi_prefix><!--
omitted code -->
</pi_profile>
```

## CSU Digital Repository's pi\_profiles\_rules.xml

```
<!-- profile setting example -->
<rl:de_rule name="view handle rule"><!-- No
change in this section -->
<rl:de_rule name="view main handle
rule"><!-- No change in this section -->
<!-- profile setting -->
<pi_profile name="handle_profile">
<pi_type>handle</pi_type>
<pi_prefix
required="true">10217</pi_prefix>
<!-- No change --> </pi_profile>
```

hdltool.ini  
handleConfig.properties

pi\_publisher\_rules.xml  
dc\_marc\_function.xsl

# Local Configuration

- `www_r_silo_conf.xml`

```
<results_full><line>
  <code type="DATA">110 A</code>
  <name lng="ENG">Bookmarkable URL</name>
  <name lng="GER">URI</name>
  <name lng="FRE">URI</name>
  <name lng="HEB">URI</name>
  <editfield>D</editfield>
  <ext_link>Y</ext_link></line> <!-- omitted code -->
</results_full>
```



# Local Configuration

- script.js – Added two functions to make handle and other URLs as hyperlinks. More complicated customization example

```
function DaddHyperlinks(){
    var noscript = document.getElementsByTagName("td");
    text = noscript[(noscript.length)-1].firstChild.nodeValue;
    if (text.match(/https?:\\\/\\\/[^\"]+/)) {
        // remove any spans highlighting search terms from contents of URL
        while (text.match(/https?:\\\/\\\/[^\"]*<span class=highlight>/))
            text = text.replace(/(https?:\\\/\\\/[^\"]*)<span
class=highlight>([^\"]+)<\/span>/, "$1$2");
        // replace the URL with a green link to the URL that opens in a new window
        text = text.replace(/(https?:\\\/\\\/[^\"]+)/g, "<a href=\""$1\" target=\"_new\"
style=\"color: #13694e;\">$1</a>"); }
}
```

# Repository Workflows

Scanning/electronic submission



File preparation & optimization



Metadata creation

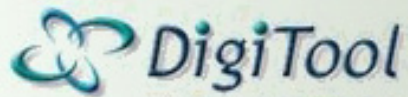


DigiTool ingest



Maintenance/update

# DigiTool Modules



DIGITAL ASSET MANAGEMENT

Use the links below to connect to different applications of DigiTool

- ◆ [Resource Discovery](#)
- ◆ [Management](#)
- ◆ [Approver](#)
- ◆ [Collection Management](#)
- ◆ [Deposit](#)
- ◆ [Web Ingest](#)

- 82358
  - changehistory
    - changehistory\_md.170788
  - descriptive
    - dc.170777
  - preservation
    - preservation\_md.170860
  - technical
    - jhove.170790
    - text\_md.170789

## Modules

Last Accessed (1)

..... 82450

Open on Local Drive (336)

Manifestations (2)

Includes (0)

Part of (0)

## Menu

## Metadata Editing

## All metadata

Tag	Language	Data
Title		Holmes Rolston III 1932
Keywords		Rolston, Holmes, 1932- ; environmental ethics ; science ; religion ; biography
Description		Holmes Rolston is widely recognized as the "father of environmental ethics" as an academic discipline. More so than any other, he has shaped the essential nature, scope and issues of the discipline. The following six principles are basic to his work: 1. The Homologous Principle: Follow Nature; 2. The Value-Capture Principle; 3. The Organic Principle: Respect for Life; 4. The Species Principle: Preserve 'Forms' of Life; 5. The Ecosystemic Principle; 6. The Three 'Environments' Principle: Urban, Rural and Wilderness (or, the Nature-Culture Principle).
Description		Includes bibliographical references.
Original Publisher		Routledge
Publisher		Colorado State University. Libraries
Bibliographic Citation		Palmer, Joy A., ed. and David E. Cooper and Peter Blaze Corcoran, advisory eds. Fifty Key Thinkers on the Environment, [260-268]. London: Routledge, 2005.
Date Issued		2001
Type		Text
Format		application/pdf
Identifier		Fifty_Key_Thinkers.pdf
Identifier		FACFPHIL100002ROLSBIOG
Language		eng
Language		English
Rights		c2001 Routledge
Metadata Schema		Faculty Papers 1.0

1. Browser 2. Messages 3. Tag Information 4. Collections

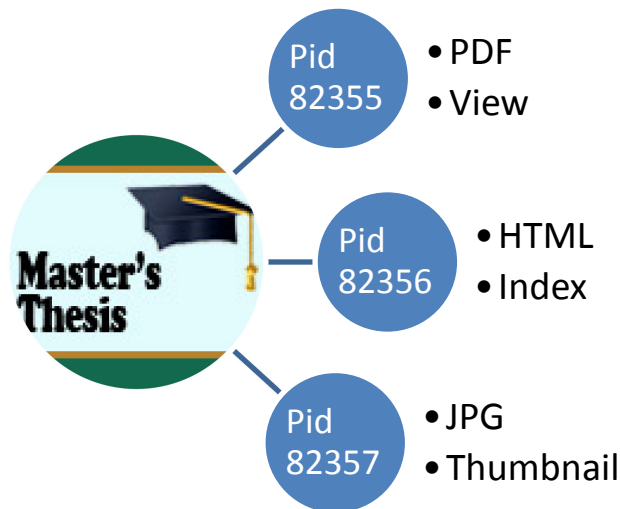
View/Refresh Object >>

File Name: Fifty\_Key\_Thinkers.pdf File Extension: pdf File Size: 45 K

## View Object

# Digital Objects

- Consist of digital entities
- Each digital entity is assigned a PID
- Format: PDF, JPG, HTML ...
- Usage: View, Thumbnail, Index, Archive ...



# Metadata

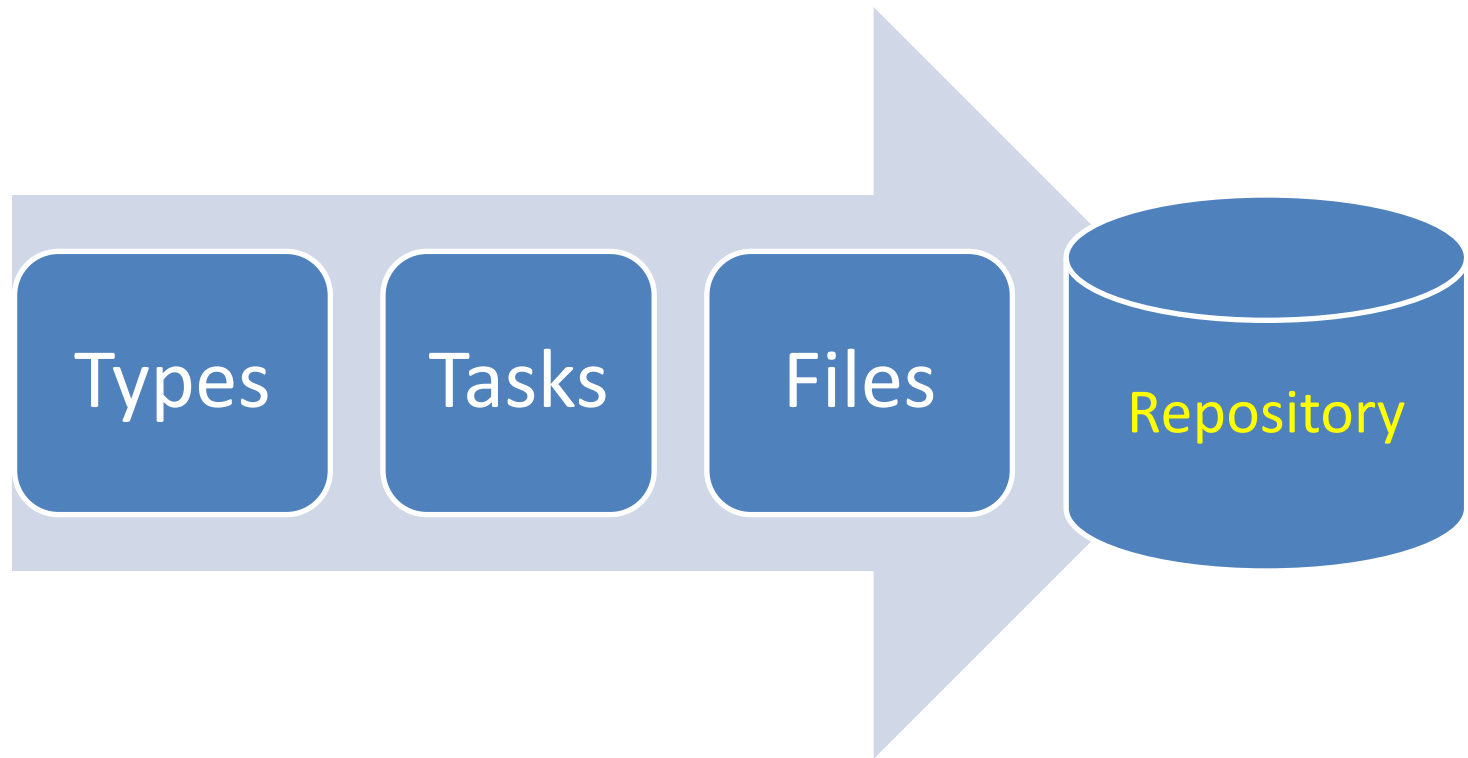
- Resource discovery
- Statistics & maintenance
- A variety of metadata:
  - Descriptive: DC, MARC, MODS
  - Administrative/Rights
  - Technical
  - Preservation
  - Structural: METS

```
<?xml version="1.0"
<quiz>
  <question>
    Who was the forty-second
    president of the U.S.A.?
  </question>
  <answer>
    William Jefferson Clinton
  </answer>
  <!-- Note: We need to add
    more questions later.-->
</quiz>
```

XML

# Ingest (populating repository)

- “Submission of digital objects and/or metadata into the DigiTool repository.” – Ex Libris DigiTool Staff User’s Guide



# Common Ingest Types

- Simple: DC XML, MARC XML, CSV
- Complex: METS XML, DigiTool METS generation

## Reasons:

- Metadata & object types
- Batch ingest
- Efficient metadata creation and editing
- Additional copies of metadata

# Metadata Creation

- Tools:
  - MS Excel
  - oXygen XML Editor
  - MarcEdit
  - DigiTool (technical, preservation, access rights)
- Guidelines:
  - CSU Core Data Dictionary  
(<http://hdl.handle.net/10217/3147>)
  - Individual project data dictionary

<dc:title>Development of a rapid detection assay for listeria monocytogenes on ready-to-eat meat, food-contact and non-contact surfaces</dc:title>

<dc:creator>Callaway, Jeffrey Ryan</dc:creator>

<dcterms:etd\_department>Animal Sciences</dcterms:etd\_department>

<dcterms:etd\_degree\_grantor>Colorado State University</dcterms:etd\_degree\_grantor>

<dcterms:degree\_name>Master of Science (M.S.)</dcterms:degree\_name>

<dcterms:etd\_dept\_head>Wailes, William R.</dcterms:etd\_dept\_head>

<dcterms:contributor\_advisor>Goodridge, Lawrence D.</dcterms:contributor\_advisor>

<dcterms:committeemembers>Nightingale, Kendra K.; Gentry-Weeks, Claudia R.; Sofos, John Nikolaos</dcterms:committeemembers>

<dc:language>eng</dc:language>

<dc:language>English</dc:language>

<dcterms:etd\_subject\_keywords>foodborne pathogen ; Listeria monocytogenes ; detection ; ready-to-eat foods ; RTE foods ; food contact and non-contact surfaces ; Phast Swab device ; TSB-KCI

<dc:subject xsi:type="dcterms:LCSH">Listeria monocytogenes</dc:subject>

<dc:subject xsi:type="dcterms:LCSH">Pathogenic microorganisms</dc:subject>

<dcterms:abstract>Many tests are available to detect foodborne pathogens. Tests have been designed to selectively allow the growth of a target organism to facilitate identification using biochemi

<dc:description>xvi, 107 p. : ill.</dc:description>

<dc:description>Includes bibliographical references (p. 92-107)</dc:description>

<dc:publisher>Colorado State University. Libraries</dc:publisher>

<dc:type>Text; Still Image</dc:type>

<dc:format>application/pdf</dc:format>

<dc:identifier>2009\_spring\_Callaway.pdf</dc:identifier>

<dc:identifier>ETDF2009100001ANIS</dc:identifier>

<dcterms:dateSubmitted>2009</dcterms:dateSubmitted>

<dc:rights>Copyright of original work is retained by the author.</dc:rights>

<dc:rights>Item will be accessible in July 2009.</dc:rights>

Customized  
DC Fields

# DC XML Templates

# Metadata Full View (DC XML ingest)

## Digital Repository Research and scholarship of CSU faculty and students

[Search / Browse](#) **Results** [Previous Searches](#) [My Account](#)

[About](#) [En](#)

Search **"W-All Words= callaway"** in **'Admin Unit CSU01'** Collection [ Sorted by: Creator/Title ]

[Brief view](#) [Table view](#) **Full view**

So

Record 1 of 1



### Object



Development of a rapid detection assay f... - PDF Document (2 M)

**Bookmarkable URL** <http://hdl.handle.net/10217/22037>

**Authors** Callaway, Jeffrey Ryan

**Title** Development of a rapid detection assay for listeria monocytogenes on ready-to-eat meat, food-contact and non-contact surfaces

**Keywords** foodborne pathogen ; Listeria monocytogenes ; detection ; ready-to-eat foods ; RTE foods ; food contact and non-contact surfaces ; Phast Swab device ; TSB-KCI

**Subjects** Listeria monocytogenes

Pathogenic microorganisms

**Description** xvi, 107 p. : ill.

Includes bibliographical references (p. 92-107)

### Abstract

Many tests are available to detect foodborne pathogens. Tests have been designed to selectively allow the growth of a target organism to facilitate identification using biochemical methods. Some tests have incorporated biochemical identification into selective media. The resulting tests are rapid, sensitive, specific and cost-effective. Recently, molecular methods have been employed to increase the speed, sensitivity and specificity of identification. However, current molecular methods require laboratory equipment and trained personnel and are not capable of detecting viable organisms. This thesis describes a set of studies designed to develop and evaluate a new detection method for the foodborne pathogen *Listeria monocytogenes* that is rapid, sensitive, specific, cost-effective enough to be used in the field and does not require expensive equipment or extensive training.

**Publisher** Colorado State University. Libraries

**Date** 2009

**Degree Name** Master of Science (M.S.)

**Degree Grantor** Colorado State University

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Fields

# Object Viewer (DC Metadata)

Metadata - Windows Internet Explorer

Development of a rapid detection assay for listeria monocytogenes on ready-to-eat meat, food-contact and non-contact surfaces

Title:	Development of a rapid detection assay for listeria monocytogenes on ready-to-eat meat, food-contact and non-contact surfaces
Creator:	Callaway, Jeffrey Ryan
Subject:	Listeria monocytogenes
Subject:	Pathogenic microorganisms
Description:	xvi, 107 p. : ill.
Description:	Includes bibliographical references (p. 92-107)
Publisher:	Colorado State University. Libraries
Type:	Text; Still Image
Format:	application/pdf
Identifier:	2009_spring_Callaway.pdf
Identifier:	ETDF2009100001ANIS
Metadata Schema:	ETD 1.0
Language:	eng
Language:	English
Rights:	Copyright of original work is retained by the author.
Abstract:	Many tests are available to detect foodborne pathogens. Tests have been designed to selectively allow the growth of a target organism to facilitate identification using biochemical methods, while others have incorporated biochemical identification into selective media. The resulting tests are rapid, sensitive, specific and cost-effective. Recently, molecular methods have been employed to increase the speed, sensitivity and specificity of identification. However, current molecular methods require laboratory equipment and trained personnel and are not capable of detecting viable organisms. This thesis describes a set of studies designed to develop and evaluate a new detection method for the foodborne pathogen <i>Listeria monocytogenes</i> that is rapid, sensitive, specific, cost-effective and simple enough to be used in the field and does not require expensive equipment or extensive training.
Date Submitted:	2009
Advisor:	Goodridge, Lawrence D.
Keywords:	foodborne pathogen ; Listeria monocytogenes ; detection ; ready-to-eat foods ; RTE foods ; food contact and non-contact surfaces ; Phast Swab device ; TSB-KCI
Committee Members:	Nightingale, Kendra K. ; Gentry-Weeks, Claudia R. ; Sofos, John Nikolaos
Degree Name:	Master of Science (M.S.)
Program:	Animal Sciences
Degree Grantor:	Colorado State University
Department Head:	Wailles, William R.

Fuller metadata not displayed in full view

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# MARC XML

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Record 8 of 11

MARC to DC  
mapping

## Object



Use of GIS modeling techniques as a plan... - PDF Document (3 M)

## Bookmarkable URL

<http://hdl.handle.net/10217/4209>

## Authors

Wagner, David G.

## Title

Use of GIS modeling techniques as a planning tool for establishment of wetlands as nitrate and pesticide removal facilities / by David G. Wagner and Maurice D. Hall.

## Subjects

Constructed wetlands--South Platte River Watershed (Colo. and Neb.)

Denitrification.

Geographic information systems.

Groundwater--Pollution--South Platte River Watershed (Colo. and Neb.)

## Description

"Grant no. 14-08-0001-G2008/3, project no. 05."

"May 1995."

Includes bibliographical references (p. 33-37).

## Publisher

Colorado Water Resources Research Institute, Colorado State University,

## Date

[1995]

## Extent

iii, 37 p. : ill. (some col.) ; 28 cm.

## Series

Open file report (Colorado Water Resources Research Institute) ; no. 11.

## Rights

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## Related collections

[CSU Centers and Research Institutes](#) > [Colorado Water Institute](#) > [Open File Reports](#)

# Object Viewer (MARC Metadata)

Metadata - Windows Internet Explorer

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			c	by David G. Wagner and Maurice D. Hall.
Imprint			a	Fort Collins, Colo. :
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Display in translated MARC

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 UHPC\_209.tif,UHPCS03A601168,UHPC\_209.jp2,Bessie Genera,Negative #209. Bessie Genera. 8 June 1901,A black cow with white horns and a square white patch on  
 UHPC\_210.tif,UHPCS03A601169,UHPC\_210.jp2,"Mare and Colt, Animal Husbandry",Negative #210. Mare and Colt, Animal Husbandry. undated",A young foal stands a  
 UHPC\_211.tif,UHPCS03A601170,UHPC\_211.jp2,"Young Colt, Animal Husbandry",Negative #211. Young Colt, Animal Husbandry. undated",A long-legged foal stands  
 UHPC\_212.tif,UHPCS03A601171,UHPC\_212.jp2,"Young Colt, Animal Husbandry",Negative #212. Young Colt, Animal Husbandry. undated",A young foal with a rope h  
 UHPC\_213.tif,UHPCS03A601172,UHPC\_213.jp2,"""Lucky Hit""",Negative #213. ""Lucky Hit."" December 1901,A young black bull calf with a white blaze on his f

# CSV file DC Metadata created in MS Excel

Pay attention to  
special characters

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <tm:x_mapping
3   xmlns:tm="http://com/exlibris/digitooll/repository/transMap/xmlbeans"
4   start_from_line="2">
5
6   <x_map>
7     <x_source position="1"/>
8     <x_target md_name="descriptive" md_type="dc">
9       dc:identifier
10    </x_target>
11  </x_map>
12
13  <x_map>
14    <x_source position="2"/>
15    <x_target md_name="descriptive" md_type="dc">
16      dc:identifier
17    </x_target>
18  </x_map>
19
20  <x_map>
21    <x_source position="4"/>
22    <x_target md_name="descriptive" md_type="dc">
23      dc:title
24    </x_target>
25  </x_map>
26
27  <x_map>
28    <x_source position="5"/>
29    <x_target md_name="descriptive" md_type="dc">
30      dcterms:isFormatOf
31    </x_target>
32  </x_map>
33
34  <x_map>
35    <x_source position="6"/>
36    <x_target md_name="descriptive" md_type="dc">
37      dc:description
38    </x_target>
39  </x_map>
40
41  <x_map>
42    <x_source position="7"/>
43    <x_target md_name="descriptive" md_type="dc">
44      dcterms:isPartOf
45    </x_target>
46  </x_map>
47
48  <x_map>
49    <x_source position="8"/>
50    <x_target md_name="descriptive" md_type="dc">
51      dc:source
52    </x_target>
53  </x_map>
54

```

# Mapping

# XML

# Used with CSV

# Metadata Full View (CSV ingest)

## Digital Repository Research and scholarship of CSU faculty and students

[Search / Browse](#) **Results** [Previous Searches](#) [My Account](#)

[About](#) [End](#)



Search "W-All Metadata= uhpcs01c% or uhpcs02c% or uhpcs03e% or uhpcs05c% or uhpcs14c% or uhpcs17c% or uhpcs18c%" in 'Admin Unit CSU01' Collection [ Sorted by: Creator/Title ]

[Brief view](#) [Table view](#) **Full view**

Sort

Record 7 of 903

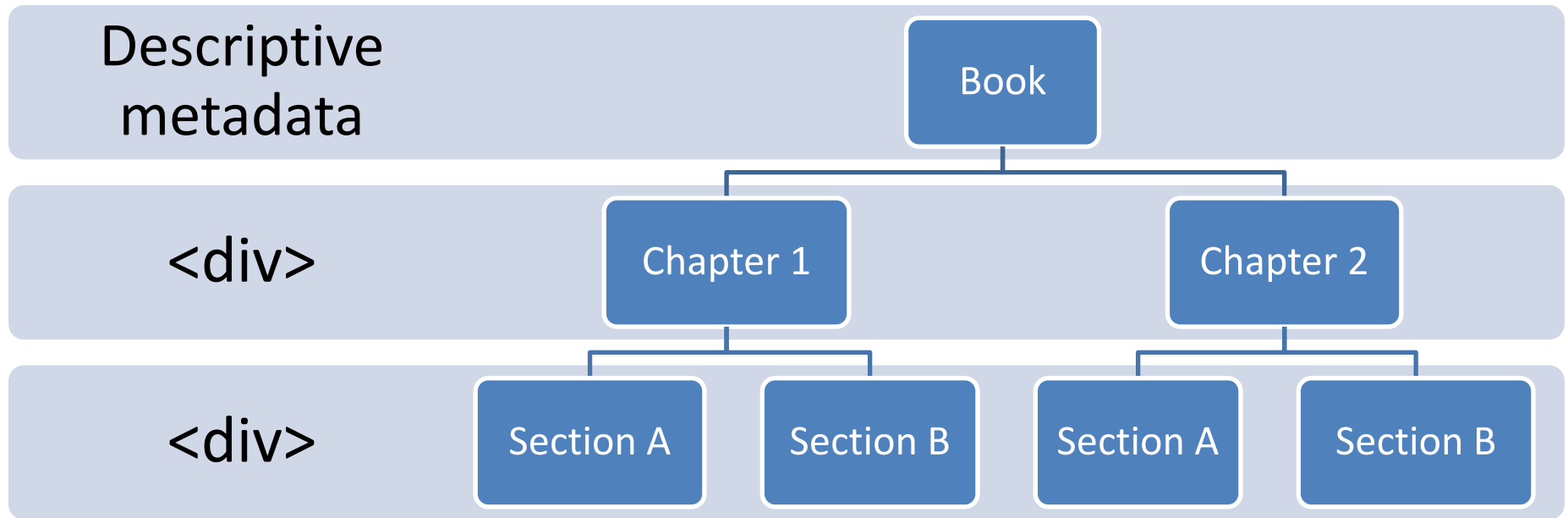
◀ ▶

	<b>Object</b>		- JPEG2000 Image (7 M)
	<b>Bookmarkable URL</b>	<a href="http://hdl.handle.net/10217/35514">http://hdl.handle.net/10217/35514</a>	
	<b>Authors</b>	Colorado State University	
	<b>Title</b>	A theoretical map of Colorado State College	
	<b>Subjects</b>	Colorado State College (Fort Collins, Colo.)	
	<b>Description</b>	Photo of a perspective drawing of what the campus might look like with the addition or renovation of buildings and the addition of walkways as envisioned by an architectural firm from	
	<b>Publisher</b>	Colorado State University. Libraries	
	<b>Date</b>	1937-10-04	
	<b>Series</b>	University Historic Photograph Collection, Archives and Special Collections, Colorado State University; Series V: Silver Nitrate Contact Prints; Subseries C: Campus Buildings and Scenes <a href="http://lib.colostate.edu/archives/findingaids/university/uhpc.html">http://lib.colostate.edu/archives/findingaids/university/uhpc.html</a>	
	<b>Rights</b>	<a href="http://www.acns.colostate.edu/?page=copyright">http://www.acns.colostate.edu/?page=copyright</a>	
	<b>Related collections</b>	<a href="#">CSU Archives and Special Collections</a> > <a href="#">University Historic Photograph Collection</a> > <a href="#">Campus Buildings and Scenes</a>	

# Complex Digital Objects

- Digital objects represented as a whole
- Have internal structures
- Examples: books, journals, newsletters, archival folders/series, related documents/images/media ...
- Share descriptive metadata
- Whole – Parent ; Parts - Children

# Complex Digital Objects



# METS

- **M**etadata **E**ncoding & **T**ransmission **S**tandard
- Encoding descriptive, administrative, and structural metadata in XML
- Header, dmdSec, [amdSec], fileSec, strucMap
- <http://www.loc.gov/standards/mets/>

# METS XML

## Header, DMD

```

5 <name>Colorado State University</name>
6 </agent>
7 <metsHdr>
8 <dmdSec ID="dmd001">
9 <mdWrap MDTYPE="DC" MIMETYPE="text/xml" LABEL="Dublin Core Metadata">
10 <xmlData>
11 <dc:record xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:dcterms="http://purl.org/dc/terms">
12 <dc:title>Irrigation methods (sprinkler), 6/19/62</dc:title>
13
14 <dc:identifier>WGDCS10A101814</dc:identifier>
15
16 <dc:identifier>WWDL</dc:identifier>
17
18 <dc:date>1946 - 1964</dc:date>
19
20 <dc:creator>varies</dc:creator>
21
22 <dc:subject>Irrigation -- Colorado</dc:subject>
23
24 <dc:subject>Irrigation -- Equipment and supplies</dc:subject>
25
26 <dcterms:spatial>Colorado</dcterms:spatial>
27
28 <dcterms:temporal>1946 - 1964</dcterms:temporal>
29
30 <dc:description>Irrigation sprinklers and pipes</dc:description>
31
32 <dcterms:tableOfContents>Sprinkler system of B.R. Rapp near Cope. 1/4 mi. 4 in. steel pipe (Hardesty). 3 in. pump, 1946-08-14 -- Oliver-Wheeler farm at Masters. 6 in. header pipe, 4 in. latera
33
34 <dc:type>Still Image; Image; StillImage</dc:type>
35
36 <dcterms:metadataschema>Water Resources Archive Data Dictionary v. 1.0</dcterms:metadataschema>
37
38 <dcterms:isPartOf>Groundwater Data Collection. Series X: Visual materials; Subseries A: Slides. Finding aid: "http://lib.colostate.edu/archives/findingaids/water/wgdc.html"</dcterms:isPartOf>
39
40 <dcterms:isFormatOf>Irrigation methods (sprinkler), 6/19/62. 1946-1952, 1964, undated</dcterms:isFormatOf>
41
42 <dc:source>Original: 47 35 mm slides (10 not scanned)</dc:source>
43
44 <dc:publisher>Colorado State University. Libraries</dc:publisher>
45
46 <dc:rights>"http://www.acns.colostate.edu/?page=copyright"</dc:rights>
47
48 <dcterms:contributinginstitution>Colorado State University. Libraries</dcterms:contributinginstitution>
49 </dc:record>
50 </xmlData>
51 </mdWrap>
52 </dmdSec>
53 </fileSec>
54 <fileGrp USE="reference" VERSDATE="2000-04-20T12:00:00">

```

File section

```

306 </mets:file>
307 <mets:file ID="i039" MIMETYPE="text/html" CREATED="2009-02-19T13:59:36" SIZE="1110" SEQ="39" GROUPID="gid039">
308 <FLocat xlink:href="file://streams/_2008_1216_notice_pdf_index.html" LOCTYPE="URL" />
309 </mets:file>
310 </fileGrp>
311 </fileSec>
312 <structMap TYPE="LOGICAL" ID="smd001">
313 <div ORDER="1" ID="Manual_Generated_STRUCTMAP" TYPE="document" LABEL="CSU Board of Governors 2008 meeting agendas, minutes, and collateral materials" DMDID="dmd001" xmlns:mets="http://www.loc.gov/mets/">
314 <div ID="div1.1" LABEL="January 9 - Executive Committee meeting" TYPE="document" ORDER="1">
315 <div TYPE="document" LABEL="Official meeting notice" ORDER="1">
316 <fptr FILEID="s001" />
317 <fptr FILEID="i001" />
318 </div>
319 </div>
320 <div ID="div1.2" LABEL="February 6 - regular Board meeting" TYPE="document" ORDER="2">
321 <div TYPE="document" LABEL="Agenda" ORDER="2">
322 <fptr FILEID="s002" />
323 <fptr FILEID="t001" />
324 <fptr FILEID="i002" />
325 </div>
326 <div TYPE="document" LABEL="Meeting materials" ORDER="3">
327 <fptr FILEID="s003" />
328 <fptr FILEID="t002" />
329 <fptr FILEID="i003" />
330 </div>
331 <div TYPE="document" LABEL="Minutes" ORDER="4">
332 <fptr FILEID="s004" />
333 <fptr FILEID="t003" />
334 <fptr FILEID="i004" />
335 </div>
336 <div TYPE="document" LABEL="Official meeting notice" ORDER="5">
337 <fptr FILEID="s005" />
338 <fptr FILEID="i005" />
339 </div>
340 </div>
341 <div ID="div1.3" LABEL="March 5 - regular Board meeting" TYPE="document" ORDER="3">
342 <div TYPE="document" LABEL="Agenda" ORDER="6">
343 <fptr FILEID="s006" />
344 <fptr FILEID="t004" />
345 <fptr FILEID="i006" />
346 </div>
347 <div TYPE="document" LABEL="Official meeting notice" ORDER="7">
348 <fptr FILEID="s007" />
349 <fptr FILEID="t005" />
350 <fptr FILEID="i007" />
351 </div>
352 </div>

```

# METS XML

## fileSec, logical strucMa

# METS (metadata full view)

## Digital Repository



Research and scholarship of CSU faculty and students

[Search / Browse](#) **Results** [Previous Searches](#) [My Account](#)

Search 'W-All Metadata= wqdc%' in 'Admin Unit CSU01' Collection [ Sorted by: Creator/Title ]

[Brief view](#) [Table view](#) **Full view**

Record 14 of 47

	<b>Object</b>		image folder: Irrigation methods (gravit... - Mets (13 K)
	<b>Bookmarkable URL</b>	<a href="http://hdl.handle.net/10217/22120">http://hdl.handle.net/10217/22120</a>	
	<b>Authors</b>	varies	
	<b>Title</b>	Irrigation methods (gravity), 6/19/62	
	<b>Subjects</b>	Irrigation -- Colorado Irrigation canals and flumes -- Colorado	
	<b>Description</b>	Irrigation of various crops	
	<b>Publisher</b>	Colorado State University. Libraries	
	<b>Date</b>	1941 - 1962	
	<b>Series</b>	Groundwater Data Collection. Series X: Visual materials; Subseries A: Slides. Finding aid: <a href="http://lib.colostate.edu/archives/findingaids/water/wqdc.html">http://lib.colostate.edu/archives/findingaids/water/wqdc.html</a>	
	<b>Contributing Institution</b>	Colorado State University. Libraries	
	<b>Rights</b>	<a href="http://www.acns.colostate.edu/?page=copyright">http://www.acns.colostate.edu/?page=copyright</a>	
	<b>Related collections</b>	<a href="#">CSU Archives and Special Collections</a> > <a href="#">Water Resources Archive</a> > <a href="#">Groundwater Data Collection</a>	

# METS (object viewer)

Mets Viewer - Windows Internet Explorer

ExLibris **Digitool** - Resource Discovery

Current View: (PHYSICAL) Show MetaData for: Irrigation methods (gravity), 6/19/62

>> Irrigation methods (gravity), 6/19/62

No metadata

View Options

Irrigating College lawn with canvas hose, 1941-07

Labels are searchable with sp27

- ☒ **Irrigation methods (gravity), 6/19/62**
  - ☒ Irrigating College lawn with canvas...
  - ☒ Irrigating peas with aluminum cyphon...
  - ☒ Concrete Parshall flume. Tile stilling...
  - ☒ [Weather observation station?], 1962-05
  - ☒ Irrigating potatoes near Gilcrest using...
  - ☒ Irrigating potatoes near Gilcrest using...
  - ☒ Irrigating potatoes near Gilcrest using...
  - ☒ First cultivation of beets with 6-row...
  - ☒ Beans. Irrigation in alternate rows just...
  - ☒ Irrigating new alfalfa and grain in...
  - ☒ Horse drawn float Prospect, 1942-05-15
  - ☒ Irrigating potatoes near Gilcrest using...
  - ☒ Irrigating sugar beets, undated
  - ☒ Gladioli grown commercially near Arvada...
  - ☒ Contour ditches for flooding grain on...

Current View: (LOGICAL) Show MetaData for: Board of Governors of the Colorado State Universit...



>> CSU Board of Governors 2008 meeting agendas materials

Table of Contents Search Advanced Sea

## Hierarchies

### CSU Board of Governors 2008 meeting...

- January 9 - Executive Committee meeting
  - Official meeting notice
- February 6 - regular Board meeting
  - Agenda
  - Meeting materials
  - Minutes
  - Official meeting notice
- March 5 - regular Board meeting
  - Agenda
  - Official meeting notice
- April 23 - special Board meeting
- May 7 - regular Board meeting
- June 3 - Audit Committee meeting
- June 3 - regular Board meeting
- August 21 - committee meetings
- August 22 - regular Board meeting
- September 3 - voting member orientation
- September 30 - committee meetings
- October 1 - regular Board meeting
- October 1 - General Counsel Search...
- October 6 - Executive Committee meeting
- October 10 - Executive Committee meeting
- October 13 - General Counsel Search...

View Options PDF

Official meeting notice

### EFDFB6CBd01 - Adobe Acrobat Pro

File Edit View Document Comments Forms Tools Advanced Window Help



### BOARD OF GOVERNORS of the COLORADO STATE UNIVERSITY SYSTEM

410 Seventeenth Street, Suite 2440 • Denver, Colorado 80202  
Phone (303) 534-6290 • FAX (303) 534-6298 • www.csusystem.edu

January 8, 2007

**TO:** Members, Board of Governors of the Colorado State University System

**FROM:** Ed Haselden, Secretary, Board of Governors

**SUBJECT:** Official Notice – Board of Governors' Executive Committee Meeting

This serves as official notice pursuant to C.R.S § 24-6-402 (2)(c)(2006) of an upcoming meeting of the Board of Governors of the Colorado State University System.

The Executive Committee of the Board of Governors will meet on Wednesday, January 9, 2008, 2007, at 8:00 a.m. at the CSU System office in Denver.

If you have any questions about the meeting, please call Mary Lou Lawrence at (303) 376-2603

# Local METS Utility

Mets Utility

Help

Select Process Type

☐ Image, no full-text (tiff, jp2, jpg) - MARC

☐ Image, no full-text (tiff, jp2, jpg) - DC

☐ Document - pdf, jpg, html - MARC

☐ Document - pdf, jpg, html - DC

☐ Image, full-text (tiff, jp2, txt, jpg) - MARC

☐ Image, full-text (tiff, jp2, txt, jpg) - DC

Technical metadata is not available for:

☐ Image (jp2, jpg) - MARC

☐ Image (jp2, jpg) - DC

☐ Extract Technical Image Metadata

1.

DigiTool: load\_ingNNN\ingest\streams)

2.

(DigiTool: load\_ingNNN\ingest\digital\_entities)

3.

4. Enter the Destintation File Name   
A .xml extension will be added

5.

Works  
with  
DigiTool  
ingest

## Enter Activity Parameters

### General:

Name: \*

Ingest Type: \* 

File stream(s) that will be loaded with no relationships

File stream(s) that will be loaded with no relationships

File stream(s) that will become part of one parent record

File stream(s) utilizing the DigiTool file name convention

MARC XML file and associated file stream(s)

Dublin Core XML file and associated file stream(s)

Comma separated value (.csv) file

METS xml file and associated file stream(s)

Exported DigiTool repository elements for ingest/re-ingest

File stream(s) that will be loaded with manifestation relationships

Mods XML file and associated file stream(s)

Scheduling:

Assign To:

Note:

### Please Select Chain:

- ☐ Template Task Chain
- ☐ New Task Chain
- ☐ User Defined Task Chain

### Please Select Chain:

### Preview

Make a selection from the drop-down box above.

# Statistics & Maintenance

- Item level
  - Internal staff page
- Site level
  - Google Analytics
- DigiTool Management > Reports
  - Collection distribution
  - Collection/Item requests

## Digital Repository

Research and scholarship of CSU faculty and students

Search For:  in

319 Results

D	Handle	OAI	MetaData	Item+MD	Full View	Item View	Title (Item View)	Creator	Subject	Date	Identifier	Relation	Extension
<a href="#">41</a>	<a href="#">9</a>	<a href="#">OAI</a>	<a href="#">Meta</a> marc	<a href="#">I+M</a>	<a href="#">Full</a> 55	<a href="#">Item</a> 53	<a href="#">The influence of vertical wind shear on hailstorm development and structure /</a>	Modahl, Alf C. Colorado State University.Dept. of Atmospheric Science.	Atmospheric Science.	1969.	0137_Bluebook.pdf FACFATMS100130BLUE		
<a href="#">42</a>	<a href="#">10</a>	<a href="#">OAI</a>	<a href="#">Meta</a> marc	<a href="#">I+M</a>	<a href="#">Full</a> 33	<a href="#">Item</a> 30	<a href="#">Infrared radiative properties of tropical cirrus clouds inferred from broadband measurements /</a>	Griffith, Keith Thomas. Cox, Stephen K. Colorado State University.Dept. of Atmospheric Science.	Cirrus clouds Radiative transfer.	1977.	0269_Bluebook.pdf FACFATMS100129BLUE		
<a href="#">43</a>	<a href="#">11</a>	<a href="#">OAI</a>	<a href="#">Meta</a> marc	<a href="#">I+M</a>	<a href="#">Full</a> 30	<a href="#">Item</a> 22	<a href="#">Instability of rotational and gravitational modes of oscillation /</a>	Simons, T. J.(Theodore J.),1939- Rao, Desiraju B. United States.Air Force. Colorado State University.Dept. of Atmospheric Science.	Gravitational potential Oscillations Rotational motion (Rigid dynamics) Rotational motion	[1970]	0155_Bluebook.pdf FACFATMS100128BLUE		
<a href="#">44</a>	<a href="#">12</a>	<a href="#">OAI</a>	<a href="#">Meta</a> marc	<a href="#">I+M</a>	<a href="#">Full</a> 45	<a href="#">Item</a> 54	<a href="#">The interaction between water vapor and pure silver iodide in the vicinity of saturation /</a>	Barchet, William Richard. Corrin, Myron L. Colorado State University.Dept. of Atmospheric Science.	Atmospheric nucleation.	1971.	0168_Bluebook.pdf FACFATMS100127BLUE		
<a href="#">45</a>	<a href="#">13</a>	<a href="#">OAI</a>	<a href="#">Meta</a> marc	<a href="#">I+M</a>	<a href="#">Full</a> 45	<a href="#">Item</a> 30	<a href="#">Interannual variations in the earth's radiative budget and the general circulation /</a>	Ellis, James S.(James Stephen) Colorado State University.Dept. of	Atmospheric circulation. Solar radiation.	1972.	0218_Bluebook.pdf FACFATMS100126BLUE		

## Visitors

## Traffic Sources

Overview

Direct Traffic

Referring Sites

Search Engines

All Traffic Sources

AdWords

Keywords

Campaigns

Ad Versions

## Content

## Goals

Custom Reporting **Beta**

## Settings

Advanced Segments **Beta**

Email

## Help Resources

About this Report

Conversion University

Common Questions

Export

Email

Add to Dashboard

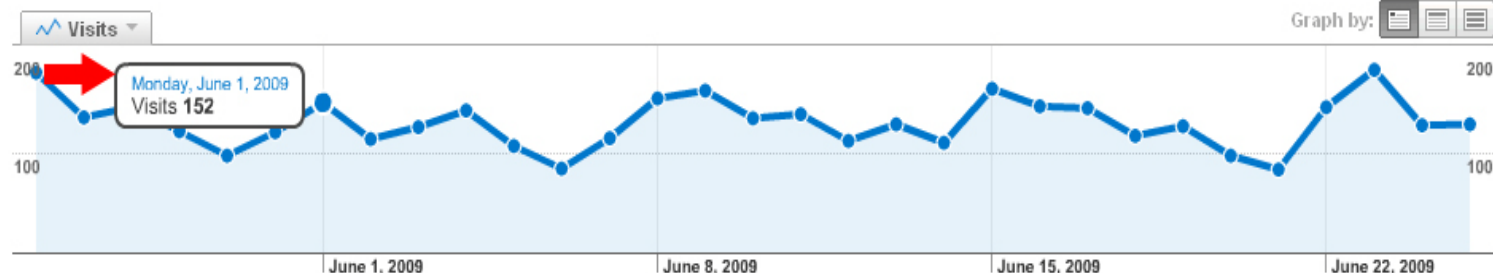
Visualize

**Beta** Advanced Segments: All Visits

Overview »

## Search Engines

May 26, 2009 - Jun 25, 2009



## Search sent 4,085 total visits via 8 sources

Show: total | paid | non-paid

## Site Usage

## Goal Conversion

Views: [Table Icon] [List Icon] [Bar Chart Icon] [Line Chart Icon]

Visits <b>4,085</b> % of Site Total: 75.80%		Pages/Visit <b>1.35</b> Site Avg: 1.70 (-20.83%)		Avg. Time on Site <b>00:00:29</b> Site Avg: 00:01:00 (-51.10%)		% New Visits <b>87.27%</b> Site Avg: 79.81% (9.35%)		Bounce Rate <b>86.19%</b> Site Avg: 81.76% (5.42%)	
Dimension: <div>Source</div>				Visits ↓	Pages/Visit	Avg. Time on Site		% New Visits	Bounce Rate
1.	google			3,715	1.32	00:00:27		86.49%	86.70%
2.	bing			183	1.75	00:01:05		93.44%	80.33%
3.	aol			65	1.42	00:00:41		95.38%	78.46%
4.	search			46	1.52	00:01:26		97.83%	84.78%
5.	msn			44	1.30	00:00:08		97.73%	86.36%
6.	live			23	1.87	00:01:14		95.65%	78.26%
7.	ask			8	1.25	00:00:03		100.00%	87.50%
8.	yahoo			1	5.00	00:03:33		100.00%	0.00%

Filter Source: containing

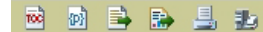
Go

Go to: 1

Show rows: 10

1 - 8 of 8

# BIRT Report Viewer



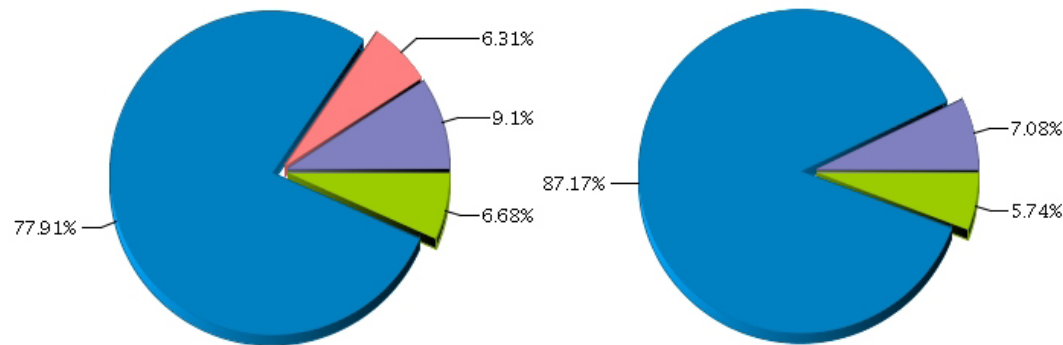
Showing page 1 of 1

Go to page:

<u>Collection ID</u>	<u>Collection Name</u>	<u>Number of Files</u>	<u>Size of Collection in MB</u>
<a href="#">1048</a>	CSU Theses and Dissertations	236	2,757
<a href="#">1049</a>	CSU Centers and Research Institutes	398	2,580
<a href="#">1051</a>	CSU Colleges	1,572	30,998
<a href="#">1053</a>	CSU-Pueblo	26	277
<a href="#">1055</a>	CSU Departments and Schools	1,090	14,370
<a href="#">1123</a>	CSU Archives and Special Collections	13,459	381,410
<a href="#">1198</a>	Student Research Projects	43	26
<a href="#">1216</a>	CSU Conference Proceedings	35	299
<a href="#">1219</a>	CSU Journal Publications	21	113
1240	EXL test - cannot reproduce the problem	395	4,704

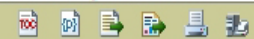
Number of Files in Collections

Size of Collections




■ 1051, CSU Colleges
 ■ 1055, CSU Departments and Schools
 ■ 1123, CSU Archives and Special Collections
 ■ Other collections

# BIRT Report Viewer



Showing page 1 of 1

Go to page:  

## Delivery Usage

Report for:

Admin Unit: CSU01

Date ranges:

[Jun 10, 2009](#) - [Apr 30, 2010](#)

### Usage statistics:

Label	Number of Objects	Number of Requests
viewable items	18431	600216
delivered items	13680	584292
unused items	4751	15924


<u>Collection Name</u>	<u>Admin Unit</u>	<u>Number of Requests</u>	<u>Number of Delivered Requests</u>
<a href="#">CSU Theses and Dissertations</a>	CSU01	336	336
<a href="#">CSU Centers and Research Institutes</a>	CSU01	26	26
<a href="#">CSU Colleges</a>	CSU01	137	137
<a href="#">CSU-Pueblo</a>	CSU01	224	224
<a href="#">CSU Departments and Schools</a>	CSU01	444	444
<a href="#">CSU Archives and Special Collections</a>	CSU01	2,015	2,015
<a href="#">Student Research Projects</a>	CSU01	37	37
<a href="#">CSU Conference Proceedings</a>	CSU01	127	127
<a href="#">CSU Journal Publications</a>	CSU01	110	110

# BIRT Report Viewer



Showing page 1 of 1



Go to page:  

## Delivery Usage

[<<Previous report](#)

### Report for:

Admin Unit: CSU01  
Collection Name: CSU Theses and  
Dissertations

### Date ranges:

[Jun 10, 2009](#) - [May 7, 2010](#)

### Usage statistics:

Label	Number of Objects	Number of Requests
viewable items	86	337
delivered items	3	54
unused items	83	283

Wanted result size: [25](#)

[Top](#)

[Unused](#)

<a href="#">PID</a>	<a href="#">Admin Unit</a>	<a href="#">Type</a>	<a href="#">Title</a>	<a href="#">Number of requests</a>	<a href="#">Delivered requests</a>
<a href="#">39244</a>	CSU01	METS	document: Excavations at the Gilligan's Island shelters (5FN1592), Fort Carson Military Reservation (FCMR), Fremont County, Colorado	10	10
<a href="#">44714</a>	CSU01	application/pdf	Kuwaiti female leaders' perspectives : the influence of culture on their leadership in organizations	27	27
<a href="#">51185</a>	CSU01	application/pdf	Analysis of metaphors used in women college president's inaugural addresses at coed institutions	17	17

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- CSU Discovery (Web-scale discovery tool)
- Individual digital collection websites

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excavations at the gilligan's island shelters

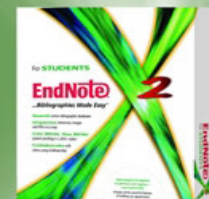
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Author: Anderson, Cody Mitchell  
Date: 2008  
Format: CSU Theses/Dissertations  
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- [Excavations at the Gilligan's Island shelters](#) (5FN1592), Fort Carson Military Reservation (FCMR), Fremont County  
Author: Anderson, Cody Mitchell  
Published: 2008  
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1 2 3 4

- 1 [1st load of lumber for new student building](#)  
Colorado State University  
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- 3 [A corner in the old library at Christmas time](#)  
Colorado State University  
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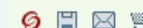
- 5 [A drive on College Campus](#)  
Colorado State University  
Colorado Agricultural College  
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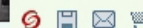
- 7 [Administration](#)  
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Colorado Agricultural College -- Buildings  
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- 2 [3 Flags](#)  
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Flagpoles -- Colorado -- Fort Collins  
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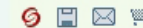
- 4 [A corner in the old library at Christmas time](#)  
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Colorado Agricultural College -- Buildings  
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- 6 [A theoretical map of Colorado State College](#)  
Colorado State University  
Colorado State College (Fort Collins, Colo.)  
1937-10-04



- 8 [Administration](#)  
Colorado State University  
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# Colorado Agriculture and Rural Life

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## Colorado Agriculture and Rural Life

Agriculture represents the primary foundation for the economic, political, educational, and cultural development of Colorado. Colorado's Agricultural College, a land-grant institution later renamed Colorado State University, offered academic programs in farming, ranching, and home economics where students could earn a practical agricultural education.

This digital collection is a companion to *Colorado Agriculture and Rural Life: Bibliography of Primary and Secondary Materials Published 1820-1945*, completed in 2006. The web site contains the full text for over 1,200 items in

order to provide enhanced access to the most significant literature of Colorado's agricultural history.

**The collection is comprised of historic publications and it is not intended as a source of current recommendations. For example, current CSU Extension information is available from the [extension website](#).**

To view full text documents, use the Browse and Search boxes. The documents are also linked to the corresponding citation in the bibliography.

Funded by a grant from the [United States Agricultural Information Network \(USAIN\)](#), [National Endowment for the Humanities \(NEH\)](#) and the [National Agricultural Library \(NAL\)](#), this project is part of a nation-wide effort to identify and preserve important historic agricultural literature.

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[Growing plants without soil / by A. M. Binkley.](#)  
Binkley, A. M. (Almond Madison), b.1900.  
Hydroponics.  
1945?]

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[Plant vegetables late for storage and canning / A. M. Binkley.](#)  
Binkley, A. M. (Almond Madison), b.1900.  
Vegetables--Colorado.  
1943]

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[Transplanting / by A. M. Binkley.](#)  
Binkley, A. M. (Almond Madison), b.1900.  
Transplanting (Plant culture)  
1937].

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[Plant propagation / L.R. Bryant.](#)  
Bryant, L. R. (Louis Ralph), 1895-  
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1938.

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Bryant, L. R. (Louis Ralph), 1895-  
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[Equipping a small irrigation pumping plant / W.E. Code.](#)  
Code, W. E. (William E.), b. 1891.  
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[Blight and other plant diseases / \[by C.S. Crandall\].](#)  
Crandall, Charles S. (Charles Spencer), 1852-1929.  
Plant diseases.  
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[Progress report of insect transmission testing with the peach mosaic virus for 1943 in cooperation w](#)  
Daniels, Leslie B. 1901-  
Peach rosette mosaic virus--Colorado--Mesa County.  
[1944]

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[Report of investigations on peach mosaic vectors in 1944 in cooperation with the Mesa County Researc](#)  
Daniels, Leslie B. 1901-  
Peach rosette mosaic virus--Colorado--Mesa County.
- 

[The tomato psyllid and the control of psyllid yellows of potatoes / by Leslie B. Daniels.](#)  
Daniels, Leslie B., 1901-  
Potatoes--Diseases and pests--Control.

# Conclusions

- Powerful, complex, and relatively mature product
- Requires close collaboration between librarians and IT staff
- Meets our requirements in: metadata, file formats, external harvesting, (user deposit)
- Establishing workflows is important
- Beneficial to set up a test server
- Questions? -- DigiTool listserv, EL Commons, Ex Libris Tech Support