Western Waters Digital Library

Building a Multi-State Aggregated Collection Using CONTENTdm®

http://westernwaters.org

http://hdl.handle.net/1794/300

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Knight Library, University of Oregon

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Head of Information Technology
Marriott Library, University of Utah
Overview

• Led by Greater Western Library Alliance (GWLA)
• Funded by IMLS
• Objectives:
  – Begin developing comprehensive information resource
  – Establish a viable technical infrastructure
  – Serve as a collaborative model
• Initial river basins focus:
  – Platte, Colorado, Rio Grande, and Columbia
Overview (cont’d)

• Geographically distributed collections
  - 12 of 30 GWLA institutions currently participate
  - Each site runs CONTENTdm server

• CONTENTdm Multi-Site Server at Univ. of Utah
  - harvests only metadata
  - creates aggregated index for single site search
  - results link out to remote sites

• Balancing local control vs. central usability
Current Participants

- Arizona State U.
- Brigham Young U.
- Colorado State U.
- Oregon State U.
- University of Arizona
- University of New Mexico
- University of Oregon
- University of Nebraska
- University of Nevada-L.V.
- University of Utah
- University of Washington
- Washington State U.
Years of drought, increasing pollution, and unprecedented population growth have raised alarm about the allocation and distribution of water in the American West. The Western Waters Digital Library is intended to become a comprehensive information resource to help westerners manage their water resources wisely in the 21st century. Launched in 2003, the project is led by the Greater Western Library Alliance and funded by a grant from the Institute of Museum and Library Services.

Currently, sample digital collections from Oregon State University, University of Oregon, University of Utah, University of Washington, and Washington State University are available to search and browse.
Search: Across all Fields | Selected Fields

Find results with:

- All of the words [colorado river] in the [Subject] field
- The exact phrase [text] in the [Type] field

+ More Fields | - Fewer Fields

Search | Clear

Select available collections:
- books (geology, water rights, river war)
- colorado riverbed case
- columbia river basin in oregon
- early washington maps
- electronic resources
- exploring the colorado river and its canyons
- galloway-stone expedition diary
- galloway-stone expedition photographs
- grand coulee dam collection
- john n. cobb photographs
- karl bodmer aquatint collection
- overland trails diaries and maps
- state and federal reports
- treaties and compacts
- tollman and canaris photographs
- wallis and marilyn kimble northwest history database
- willamette basin stream survey

select all | clear all
### Search results:

Your search retrieved 27 Matching item(s). Click an item below for viewing.

<table>
<thead>
<tr>
<th>No.</th>
<th>Image</th>
<th>Title:</th>
<th>Subject:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><img src="image1.png" alt="Image" /></td>
<td>Exploration of the Colorado River of the West and Its Tributaries Explored in 1869, 1870, 1871, and 1872, Under the Direction of the Secretary of the Smithsonian Institution.</td>
<td>John Wesley Powell; exploration; Colorado River;</td>
<td>This XML file is the container file for the images of the book Exploration of the Colorado River of the West and Its Tributaries Explored in 1869, 1870, 1871, and 1872, Under the Direction of the Secretary of the Smithsonian Institution.</td>
</tr>
<tr>
<td>2.</td>
<td><img src="image2.png" alt="Image" /></td>
<td>No. 14 Original, Abstract of the Testimony, vol. 1, pp. 1-748</td>
<td>Mines and mineral resources -- Environmental aspects -- Utah; United States -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Colorado River (Colo.-Mexico); Colorado River (Colo-Mexico) -- Environmental aspects</td>
<td>Testimony given before special master Charles Warren in a suit brought by the United States against the state of Utah over ownership of the bed of the Colorado River. Much of the testimony was given before special master Charles Warren in a suit brought by the United States against the state of Utah over ownership of the bed of the Colorado River.</td>
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<td>3.</td>
<td><img src="image3.png" alt="Image" /></td>
<td>No. 14 Original, Abstract of the Testimony, vol. 2, pp. 749-1426</td>
<td>Mines and mineral resources -- Environmental aspects -- Utah; United States -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Colorado River (Colo.-Mexico); Colorado River (Colo.-Mexico).</td>
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<td>Explored in 1869, 1870, 1871, and 1872, under the direction of the Secretary of the Smithsonian</td>
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<td></td>
<td>Secretary of the Smithsonian Institution. John Wesley Powell. First</td>
<td>Expedition led to the discovery of the Grand Canyon and significant scientific advancements.</td>
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</tr>
<tr>
<td>2.</td>
<td>No. 14 Original, Abstract of the Testimony, vol. 1, pp. 1-748</td>
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<td>Mines and mineral resources -- Environmental aspects -- Utah; United States -- Trials, litigation,</td>
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<td>5.</td>
<td>No. 14 Original, Defendant's Exceptions to the Report of the Special</td>
<td>Mines and mineral resources -- Environmental aspects -- Utah; United States -- Trials, litigation,</td>
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<td>6.</td>
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<td>Mines and mineral resources -- Environmental aspects -- Utah; United States -- Trials, litigation,</td>
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<td>-- Environmental aspects</td>
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## Search Results

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<td>No. 14 Original, U.S., Complainant vs. the State of Utah, 1931</td>
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<td>7.</td>
<td>No. 15 Original, Brief for the United States, 1929</td>
</tr>
<tr>
<td>8.</td>
<td>No. 15 Original, Brief of Defendant, the State of Utah, 1929</td>
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</table>
In the
Supreme Court of the United States

October Term, 1929

THE UNITED STATES OF AMERICA, Plaintiff,

v.

THE STATE OF UTAH, Defendant.

Brief of Defendant, The State of Utah

testimony they speak of one river or a section of a river in one answer and in the next answer, or even in the same answer, refer to a different river or locality, it has seemed to us that it would confuse rather than aid the Court to attempt to segregate the different parts of the testimony of a given witness or to attempt, by employing geographical subtitles or otherwise, to separately digest his testimony as to one river or as to a particular section of one river.

Until otherwise indicated the witnesses named below were witnesses produced by and testifying on behalf of Complainant.

Clyde L. Eddy testified: With a crew of nine college men, a camera man and one, Parley Galloway, I left Green River, Utah, on June 27, 1927, with two 22-foot boats having a 5-foot beam; also a 16-foot boat. (R. 39-44, Vol. 1.) Galloway had formerly made a trip on the river but no other member of the party had ever before been on the river. (R. 76, Vol. 1.) At a point five to eight miles downstream from the town of Green River, at a sharp bend in the river, we encountered some difficulty. (R. 44, Vol. 1.) However, we got safely through with all three boats. (R. 76, Vol. 1.) We ran into sand bars at a number of places between the town of Green River and the mouth of the Green River. (R. 45, Vol. 1.) Except for the rapid water at the place mentioned, where there was a sharp bend in the river, no
No. 15 Original, Brief of Defendant, the State of Utah, 1929

Subject: Mines and mineral resources -- Environmental aspects -- United States -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Utah -- Trials, litigation, etc.; Colorado River (Colo.-Mexico); Colorado River (Colo.-Mexico) -- Environmental aspects

Full Text: Testimony given before special master Charles Warren in a suit brought by the United States against the State of Utah over ownership of the bed of the Colorado River. Much of the testimony was given by river runners, scientists and engineers, petroleum geologists, and placer miners. The testimony constitutes an extensive oral history of the men and women who utilized the Colorado River Basin in Utah prior to 1929.

Publisher: Microfilm gift of John Weisheit, 1997

Date.Original: 1929-10

Date.Digital: 2003-01-13

Resource Type: text

Format.Use: image/jpeg

Identifier: http://content.lib.utah.edu/cgi-bin/docviewer.exe?CISOROOT=/crc&CISOPTR=2128

Source: Original format: 12 microfilm reels

Language: eng

Relation: No. 15 Original, Brief of Defendant, the State of Utah, 1929

Rights: Digital image copyright 2003, University of Utah. All rights reserved.

Management:

Holding.Institution: J. Willard Marriott Library, University of Utah; Originals in: Utah State Archives; Salt Lake City, Utah.

Scanning Device: Sunrise 2000 Microfilm Scanner

Metadata: Aric Hansen

Cataloger: iArchives Inc., Orem, UT

Scanning Contractor:
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Challenges

- Metadata*
- Searching aggregated metadata*
- Selection of content
- Communication*
- Technology
- Consortia funding models
Metadata Challenges

- Project participants have agreed to follow the Western States Dublin Core Metadata Best Practices, version 2.0
  - The standards provide considerable latitude for some elements
- Some participants are harvesting from legacy collections that were created without reference to these standards
Different Application of Metadata Standards

- Digitization Specifications
  - Mandatory and repeatable
  - Not mapped to a Dublin Core element
  - Refers to a variety of standards
  - Lot of local latitude in:
    - labeling field
    - input standards
Application of Metadata Standards (Cont’d)

- **Date.Original and Date.Digital**
  - Both fields are mandatory (when applicable)
  - Western States Best Practices document gives clear guidance
    - Both map to Dublin Core Date
    - Both say to follow W3C – Date Time Format
      - yyyy-mm-dd (1897-07-16 for July 16, 1897)
<table>
<thead>
<tr>
<th>Field Name</th>
<th>Dublin Core Mapping</th>
<th>Data Type</th>
<th>Large field</th>
<th>Searchable</th>
<th>Hidden</th>
<th>Controlled Vocabulary</th>
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</thead>
<tbody>
<tr>
<td>Title</td>
<td>Title</td>
<td>Text</td>
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<td>Yes</td>
<td>No</td>
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<td>Title-Alternative</td>
<td>Text</td>
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<td>Subject</td>
<td>Text</td>
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<td>Description</td>
<td>Text</td>
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<td>No</td>
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<td>People Depicted</td>
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<td>Text</td>
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<td>Corporate Names</td>
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<td>Text</td>
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<tr>
<td>Author</td>
<td>Creator</td>
<td>Text</td>
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<td>Yes</td>
<td>No</td>
<td>No</td>
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<td>Photographer</td>
<td>Creator</td>
<td>Text</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Western Waters Digital Library
The Columbia River Basin in Oregon

The Western Waters Digital Library: Columbia River Basin in Oregon is a collection of historical and contemporary resources focused on the Columbia River Basin. Its objective is to provide access to well-organized, comprehensive information sources and analysis based on high quality research and accurate historical records, with the goal of enabling westerners to meet the challenge of managing their water resources wisely in the 21st century.
Local Customized Search Interfaces

The Western Waters Digital Library: Columbia River Basin in Oregon

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Western Waters Digital Library
Browse by TGM Subject

A-C

Advertisements
Afro-Americans
Aprons
Automobiles
Automobile travel
Bands
Barnes
No Mapping to Encoding Schema

**CONTENTdm Edit Field Properties**

Make changes to the appropriate field values:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>TGM Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dublin Core Mapping</td>
<td>Subject</td>
</tr>
<tr>
<td>Data Type</td>
<td></td>
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</table>

Make Changes

Back to collection field properties
Change the position of this field
Delete this field
Back to Collection Administration page
## Inconsistent Search Results

**Search results:** Your search retrieved 8 Matching item(s). Click an item below for viewing.

### Search Again

### View by: Grid Thumbnails Bibliographic Titles

<table>
<thead>
<tr>
<th>No.</th>
<th>Image</th>
<th>Title</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><img src="image1.png" alt="Image" /></td>
<td>Fishing on the Columbia River Fishing on the Columbia River</td>
<td>Fishermen; Afro-Americans; Fishing; Fish; Fishing &amp; hunting gear; Rivers; Logs; Riverbanks; Water; Utility poles; Pails; Hairstyles; Shirts, Men's; Coats, Pants; Shoes; Fishes; Fishing; Fishing rods; Asian American men; Asian Americans; African Americans; African American fishermen; Rivers; Riparian areas; Water; Telephone lines; Pails; Hair; Hairstyles; Shirts, Men's; Jackets; Pants; Shoes; Columbia River;</td>
<td>A black-and-white stereoscopic view of a man fishing. The man appears to be either Asian or black. He wears a light shirt and dark jacket, both with wide sleeves, medium-light pants, and dark shoes.</td>
</tr>
<tr>
<td>2.</td>
<td><img src="image2.png" alt="Image" /></td>
<td>State history. Grand Coulee dam. Postal service. 1936-02-08 Spokesman-review 1936-02-08</td>
<td>State history; Grand Coulee dam; postal service; United States Reclamation Bureau; Bob Williams; Mason City Hospital; J. Morris; Duncan Patterson; Floyd Wickline, attendant; Columbia Basin Clarion; John</td>
<td>Work to begin on postoffice. - Government camp soon to have new building--Prisoners moved. - Construction of the proposed postoffice for the</td>
</tr>
</tbody>
</table>
Inconsistent Search Results (cont.)

Search:  Across all Fields | Selected Fields

Find results with:

- All of the words in the Title field
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+ More Fields | - Fewer Fields

Search | Clear

Select available collections:

- Books (geology, water rights, river war)
- Colorado Riverbed Case
- Columbia River Basin in Oregon
- Early Washington Maps
- John N. Cobb Photographs
- Karl Bodmer Aquatint Collection
- Overland Trails Diaries and Maps
- State and Federal Reports
Communication

- GWLA direction and oversight
  - Executive Board/Library directors (30)
  - Digital Projects Task Force
- WWDL communication forums
  - Electronic discussion list
  - Monthly reports and conference calls with project coordinators
  - Semi-annual meetings at ALA
  - Online repository for reports, standards, minutes, etc.
- Consortia are fragile
  - Misunderstandings arise as result of misinformation
  - Are problems result of software, our metadata, our interfaces?
  - Issues/concerns/opinions must be voiced openly
Opportunities

• Widening use of metadata standards
• Collectively digitize more types of material
• Develop consensus on methods for presenting different types of material
• Improve CONTENTdm software by providing consortia feedback to DiMeMa Inc.
Website - http://westernwaters.org

Presentation - http://hdl.handle.net/1794/300

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(801) 585-3721

Adrian Alexander, Executive Director
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alexandera@lindahall.org
(816)-926-8765