



U.S. Geological Survey Publications Warehouse

Kelly Haberstroh
USGS Library

2019 Federal Depository Library Conference
October 23, 2019

U.S. Department of the Interior
U.S. Geological Survey

Publications Warehouse background

The authoritative resource and public interface to USGS-authored publications



The screenshot shows the USGS Publications Warehouse website. At the top, there is a navigation bar with the USGS logo and the tagline "science for a changing world". Below the navigation bar, there is a search bar and a list of new publications. The list includes three items:

- [Mixed-chemical exposure and predicted effects potential in Wadeable southeastern USA streams](#)
2019, Science of the Total Environment (655) 70-83
- [Water-quality trends in US rivers: Exploring effects from streamflow trends and changes in watershed management](#)
2019, Science of the Total Environment (656) 645-658
- [The ~1.85 Ga carbonatite in north China and its implications on the evolution of the Columbia supercontinent](#)
2019, Gondwana Research (65) 125-141















On the right side of the screenshot, there is a Twitter feed showing a tweet from @USGS_Pubs about population genomic surveys for six rare plant species in San Diego County, California.

Publications Warehouse background



Mixed-chemical exposure and predicted effects potential in wadeable southeastern USA streams

Science of the Total Environment

By: Paul M. Bradley , Celeste A. Journey , Jason P. Berninger , Daniel T. Button , Jimmy M. Clark , Steven R. Corsi , Laura A. DeCicco , Kristina G. Hopkins , Bradley J. Huffman, Naomi Nakagaki , Julia E. Norman , Lisa H. Nowell , Sharon L. Qi , Peter C. Van Metre , and Ian R. Waite 

<https://doi.org/10.1016/j.scitotenv.2018.11.186>



Links

- More information: [Publisher Index Page \(via DOI\)](#)
- Open Access Version: [Publisher Index Page](#) 
- Download citation as: [RIS](#) | [Dublin Core](#)

Abstract

Complex chemical mixtures have been widely reported in larger streams but relatively little work has been done to characterize them and assess their potential effects in headwater streams. In 2014, the United States Geological Survey (USGS) sampled 54 Piedmont streams over ten weeks and measured 475 unique organic compounds using five analytical methods. Maximum and median exposure conditions were evaluated in relation to watershed characteristics and for potential biological effects using multiple lines of evidence. Results demonstrate that mixed-contaminant exposures are ubiquitous and varied in sampled headwater streams. Approximately 56% (264) of the 475 compounds were detected at least once across all sites. Cumulative maximum concentrations ranged 1,922–162,346 ng L⁻¹ per site. Chemical occurrence significantly correlated to urban land

Provides access to metadata about and links to 160,000+ USGS-authored and -funded publications

Publications Warehouse content

Published by the USGS	Published by an external entity
<ul style="list-style-type: none">● USGS numbered series reports● USGS unnumbered series reports	<ul style="list-style-type: none">● Journal articles● Conference proceedings● Books● Book chapters● Other government reports● Extended abstracts

Publications Warehouse background

- Established in 2004
- Moved under the USGS Library in 2009
- Collaborative effort among several groups in USGS

Publications Warehouse staff components

1. Cataloging

- Catalogs newly published USGS-authored products
- Catalogs legacy USGS-authored products
- Updates metadata for existing records
- Located at the National Wildlife Health Center in Madison, WI

Publications Warehouse staff components

2. Development

- Development and maintenance of the Publications Warehouse application
- Located at the Upper Midwest Water Science Center in Middleton, WI

Publications Warehouse staff components

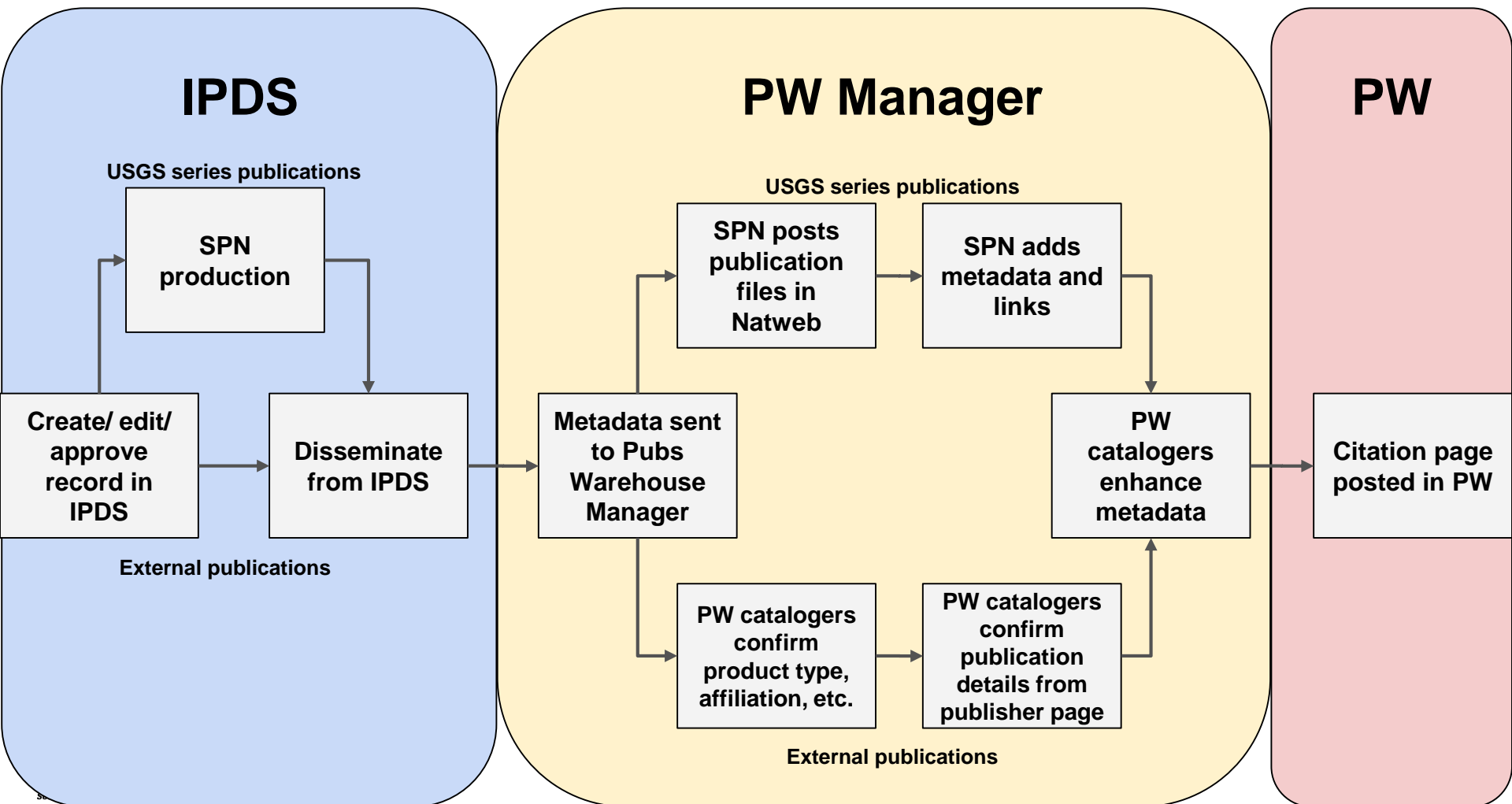
3. Digitization

- Retrospective scanning to provide full-text access to historical USGS series reports
- Over 85% of USGS series publications currently available full text in Publications Warehouse
- Located in the USGS Library in Reston, VA

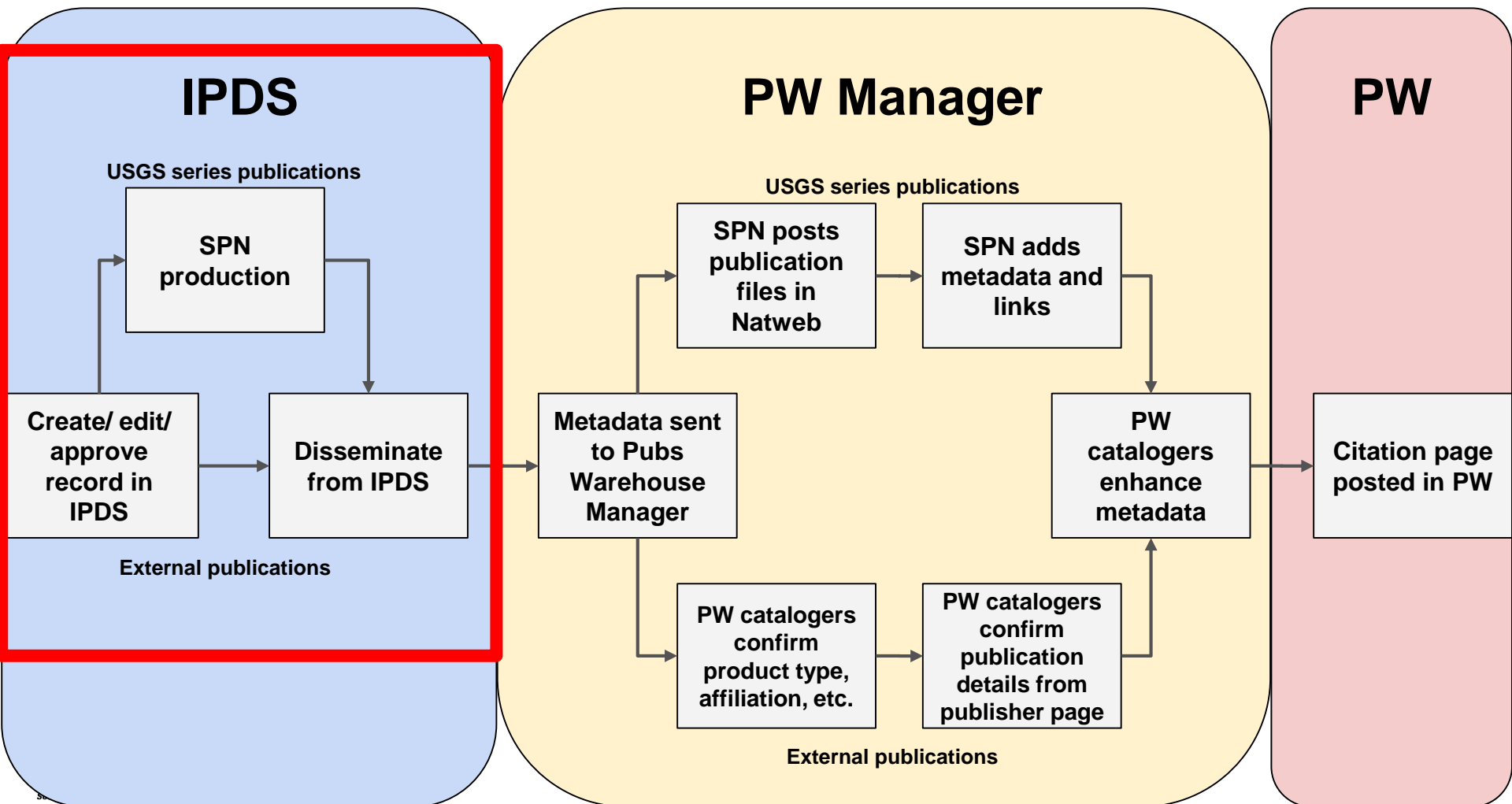
Publications Warehouse Guidance Committee

- Established May 2018
- Discusses policy and workflow issues
- Works to define the scope, guidelines, and policies related to Publications Warehouse
- Committee members from multiple groups in USGS

Basic USGS publishing workflow



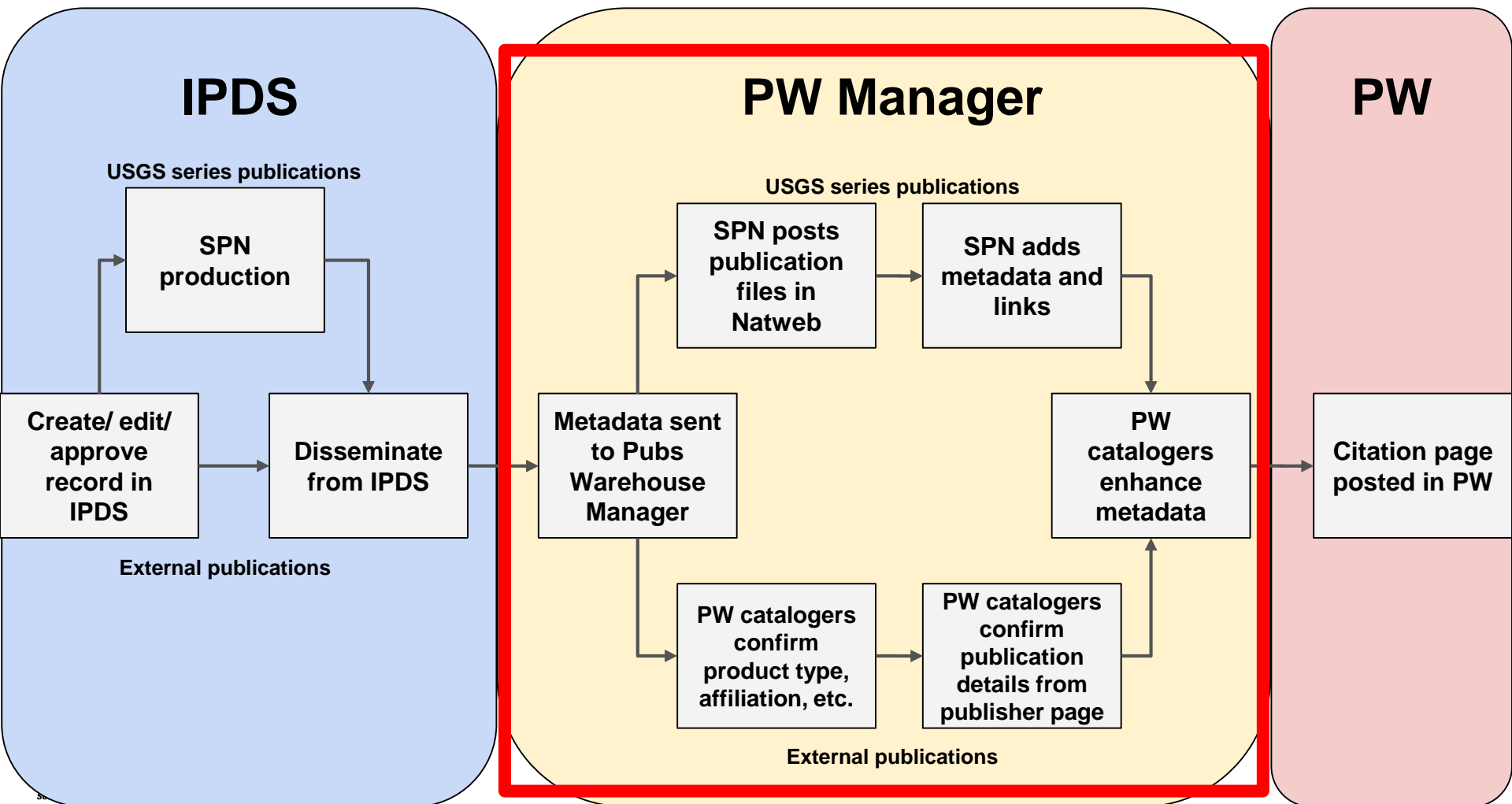
Information Product Data System (IPDS)



Information Product Data System (IPDS)

- Internal product tracking and approval system required for all USGS products
- Tracks USGS Fundamental Science Practices (FSP)
- Reviews and approvals performed
- Manuscript documents uploaded
- Product metadata filled in
- When published, record is disseminated to Publications Warehouse Manager

Publications Warehouse Manager



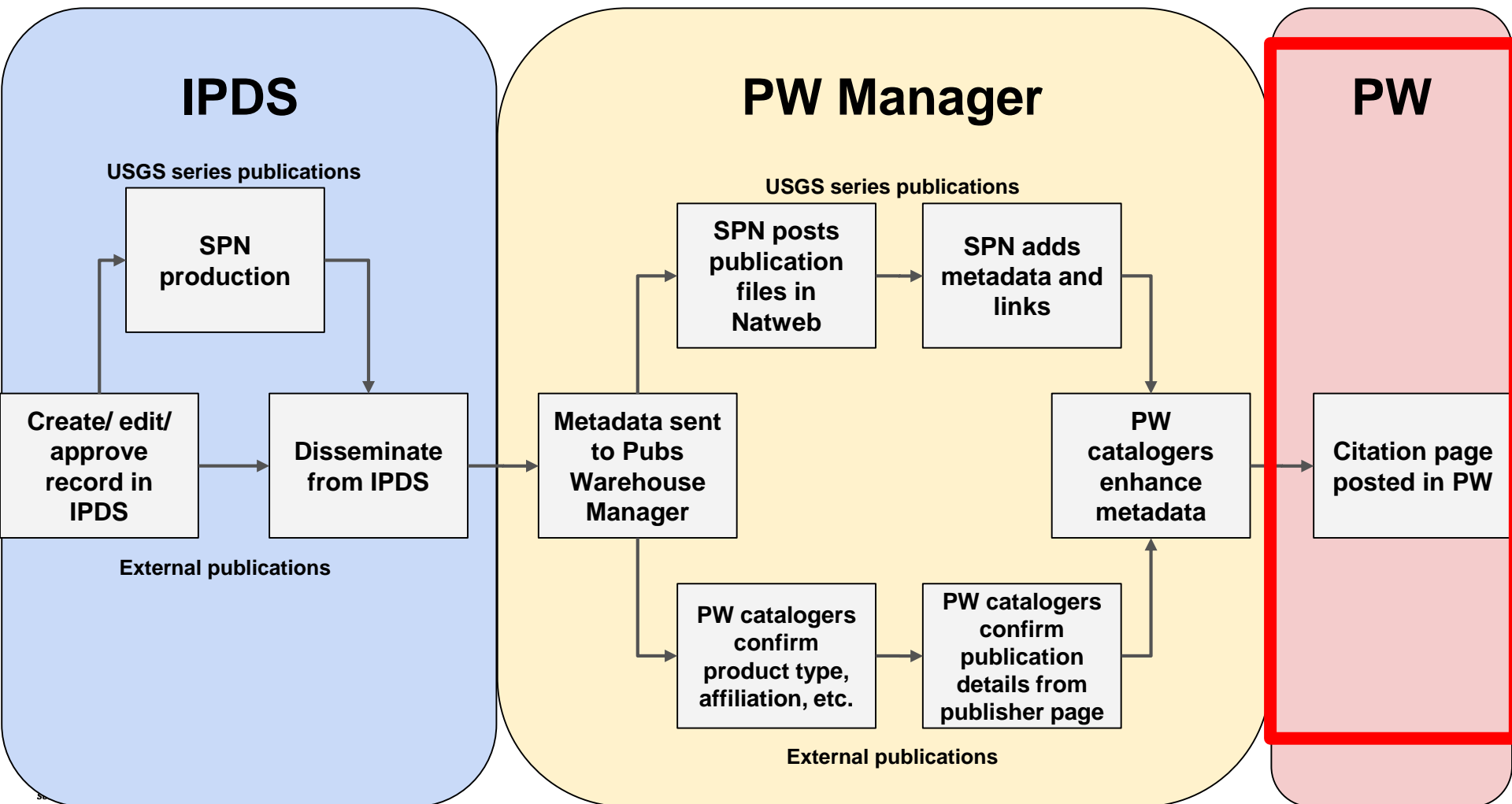
Publications Warehouse Manager

- Internal cataloging application for Publications Warehouse citation pages
- Automatically populated when records are disseminated from IPDS
- Legacy records created from scratch
- Custom metadata schema
- Some required and controlled fields, others dictated by established metadata standards
- Local authority control for contributors, affiliations, and publication series

Publications Warehouse Manager

- All records edited and approved by cataloging team
- Publications Warehouse catalogers
 - Confirm, correct, and standardize publication metadata from IPDS
 - Add additional valuable metadata, such as location metadata and geospatial polygons study areas
 - Publish the record to the public Pubs Warehouse website

Publications Warehouse website

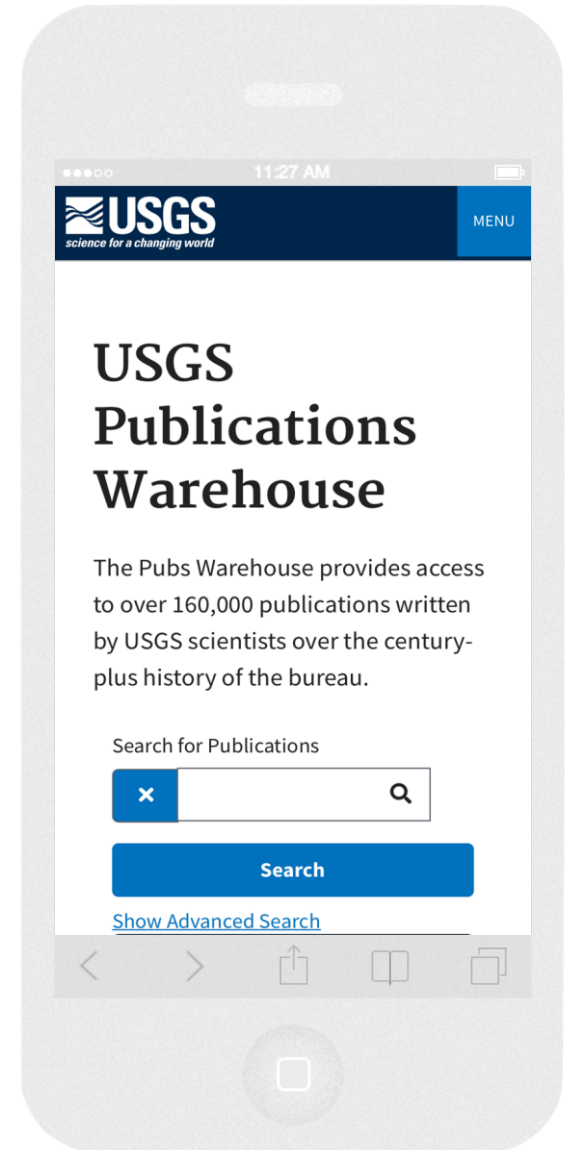


Publications Warehouse website

- Records edited/approved by cataloging team immediately made available to public

Publications Warehouse design

- Responsive design
 - Works on tablets, mobile phones, and desktops
- Semantic HTML5
 - Content is more accessible and meaningful to all users, human and machine
- U.S. Web Design Standards
 - Follows standards for federal government website design
- Migration to the cloud
 - Increased stability



Browse

FAQs

USGS Publications Warehouse

Twitter feed

The Pubs Warehouse provides access to over 160,000 publications written by USGS scientists over the century-plus history of the bureau.

Search for Publications

Basic search

Search

[Show Advanced Search](#)

Advanced search

RSS feed

New Publications by USGS Authors



[Assessment of undiscovered continuous oil and gas resources in the Upper Ordovician Point Pleasant Formation and Utica Shale of the Appalachian Basin Province, 2019](#)
2019, Fact Sheet 2019-3044



[Assessment of undiscovered gas resources in the Middle Devonian Marcellus Shale of the Appalachian Basin Province, 2019](#)
2019, Fact Sheet 2019-3050



[Reaffirmed occurrence of two vulnerable caddisfly species of conservation concern](#)
2019, Report

Search for Publications

Advanced search

Advanced search category

Title:

Contributor Name:

Contributing Office:

ORCID:

Year Published:

Publication Type:

Publication Subtype:

Series Name:


Report Number:

Search

[Clear Advanced Search](#)


Tweets by @USGS_Pubs

USGS Pubs Warehouse @USGS_Pubs
Regional-scale associations between indicators of biological integrity and indicators of streamflow modification, [ow.ly/yb6q50wqvIT](#)



42m

USGS Pubs Warehouse @USGS_Pubs
Water for Long Island—Now and for the future, [ow.ly/WzhM50wozbS](#)



Embed View on Twitter

Search Results

Search for Publications

Appalachian Basin Province

Search query

Search

Show Advanced Search

Download formats

83 results.

Alternate formats: Download search results as RIS | CSV | TSV | Excel | RSS feed based on this search | JSON version of this page of results

Page 1, results 1 - 25

Search results

Show results on a map

Assessment of undiscovered continuous oil and gas resources in the Upper Ordovician Point Pleasant Formation and Utica Shale of the Appalachian Basin Province, 2019

Catherine B. Enomoto, Michael H. Trippi, Debra K. Higley, Ronald M. Drake II, Stephanie B. Gaswirth, Tracey J. Mercier, Michael E. Brownfield, Heidi M. Leathers-Miller, Phuong A. Le, Kristen R. Marra, Marilyn E. Tennyson, Cheryl A. Woodall, Christopher J. Schenk

2019, Fact Sheet 2019-3044

Using a geology-based assessment methodology, the U.S. Geological Survey estimated undiscovered, technically recoverable continuous mean resources of 1.8 billion barrels of oil and 117.2 trillion cubic feet of gas in the Upper Ordovician Point Pleasant Formation and Utica Shale of the Appalachian Basin Province....

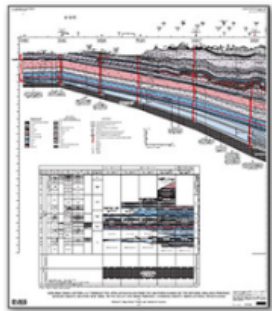
Assessment of undiscovered gas resources in the Middle Devonian Marcellus Shale of the Appalachian Basin Province, 2019

Debra K. Higley, Catherine E Enomoto, Heidi M. Leathers-Miller, Geoffrey S. Ellis, Tracey J. Mercier, Christopher J. Schenk, Michael H. Trippi, Phuong A. Le, Michael E. Brownfield, Cheryl A. Woodall, Kristen R. Marra, Marilyn E. Tennyson

2019, Fact Sheet 2019-3050

Using a geology-based assessment methodology, the U.S. Geological Survey estimated undiscovered, technically recoverable continuous mean resources of 96.5 trillion cubic feet of gas in the Middle Devonian Marcellus Shale of the Appalachian Basin Province....

Geologic cross section A-A' through the Appalachian basin from the southern margin of the Ontario Lowlands province, Genesee County, western New York, to the Valley and Ridge province, Lycoming County, north-central Pennsylvania



Title

Geologic Cross Section A-A' Through the Appalachian Basin from the Southern Margin of the Ontario Lowlands Province, Genesee County, Western New York, to the Valley and Ridge Province, Lycoming County, North-Central Pennsylvania

Scientific Investigations Map 3425

Series info

By: Michael H. Trippi, Robert T. Ryder, and Catherine B. Enomoto

Authors

<https://doi.org/10.3133/sim3425>

DOI



Links

- Document: [Report \(999 KB.pdf\)](#)
- Sheets:
 - [Sheet 1 \(6.44 MB.pdf\)](#)
 - [Sheet 2 \(7.12 MB.pdf\)](#)

Full-text report links

• Open Access Version: [Publisher Index Page](#)

• Download citation as: [RIS](#) | [Dublin Core](#)

Citation download options

Abstract

Contact information

Introduction

Geologic cross section A-A' is the fifth in a series of cross sections constructed by the U.S. Geological Survey (USGS) to document and improve understanding of the geologic framework and petroleum systems of the Appalachian basin. Cross section A-A' provides a regional view of the structural and stratigraphic framework of the Appalachian basin from the southern margin of the Ontario Lowlands province in western New York, across the Allegheny Plateau province of central New York and north-central Pennsylvania, to the Valley and Ridge province in north-central Pennsylvania, a distance of approximately 176 miles. This cross section is a companion to cross sections E-E', D-D', C-C', and I-I' that are located approximately 100 to 500 miles to the southwest. Cross section A-A' complements earlier geologic or stratigraphic cross sections through the central New York and north-central Pennsylvania part of the Appalachian basin. Although some of these other cross sections show more structural and stratigraphic detail, they are of more limited extent geographically and stratigraphically.

Cross section A-A' contains much information that is useful for evaluating energy resources in the Appalachian basin. Although

First posted April 9, 2019

For additional information, contact:

[Eastern Energy Resources Science Center](#)
 U.S. Geological Survey
 954 National Center
 12201 Sunrise Valley Drive
 Reston, VA 20192

Suggested Citation

Trippi, M.H., Ryder, R.T., and Enomoto, C.B., 2019, Geologic cross section A-A' through the Appalachian basin from the southern margin of the Ontario Lowlands province, Genesee County, western New York, to the Valley and Ridge province, Lycoming County, north-central Pennsylvania: U.S. Geological Survey Scientific Investigations Map 3425, 2 sheets, 74-p. pamphlet, <https://doi.org/10.3133/sim3425>.

ISSN: 2329-132X (online)

ISSN: 2329-1311 (print)

Citation

Study Area



Table of Contents

- Introduction
- Construction of the Cross Section
- Structural Framework
- Stratigraphic Framework

Study area

Bibliographic metadata

Additional publication details

Publication type	Report
Publication Subtype	USGS Numbered Series
Title	Geologic cross section A-A' through the Appalachian basin from the southern margin of the Ontario Lowlands province, Genesee County, western New York, to the Valley and Ridge province, Lycoming County, north-central Pennsylvania
Series title	Scientific Investigations Map
Series number	3425
DOI	10.3133/sim3425
Year Published	2019
Language	English
Publisher	U.S. Geological Survey
Publisher location	Reston, VA
Contributing office(s)	Eastern Energy Resources Science Center
Description	Report: iii, 74 p.; 2 Sheets: 35.25 x 41.00 inches and 44.25 x 41.00 inches
Country	United States
State	New York, Pennsylvania
Online Only (Y/N)	N
Additional Online Files (Y/N)	Y


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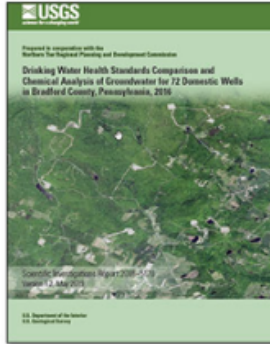
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JSON version of citation
page



Digital Object Identifiers (DOIs)

- Persistent identifiers
- All USGS series publications have CrossRef DOIs assigned
- Citeable, trackable, discoverable





Drinking Water Health Standards Comparison and Chemical Analysis of Groundwater for 72 Domestic Wells in Bradford County, Pennsylvania, 2016

Scientific Investigations Report 2018-5170
Prepared in cooperation with the Northern Tier Regional Planning and Development Commission


By: John W. Clune  and Charles A. Cravotta III 

<https://doi.org/10.3133/sir20185170>

 Tweet



Links

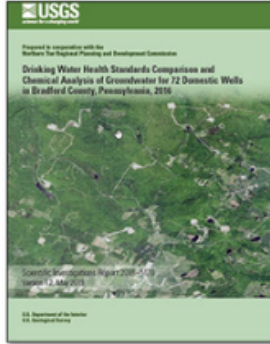
- Document: [Report \(8.01 MB pdf\)](#)
- Data Release: [USGS data release](#) - Compilation of Data Not Available in the National Water Information System for Domestic Wells Sampled by the U.S. Geological Survey in Bradford County, Pennsylvania, May-August 2016
- Version History: [Version History \(1.24 KB txt\)](#)
- Open Access Version: [Publisher Index Page](#) 
- Download citation as: [RIS](#) | [Dublin Core](#)

Abstract



CrossRef DOI

Associated data links



- USGS required to release data with publication
- Provide DataCite DOI for associated data release



Drinking Water Health Standards Comparison and Chemical Analysis of Groundwater for 72 Domestic Wells in Bradford County, Pennsylvania, 2016


Scientific Investigations Report 2018-5170
Prepared in cooperation with the Northern Tier Regional Planning and Development Commission
By: John W. Clune  and Charles A. Cravotta III 

<https://doi.org/10.3133/sir20185170>

 Tweet 

Links

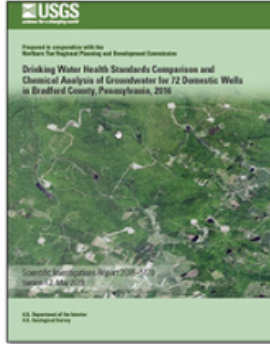
DataCite DOI

- Document: [Report \(8.01 MB pdf\)](#)
- Data Release: **[USGS data release](#)** - Compilation of Data Not Available in the National Water Information System for Domestic Wells Sampled by the U.S. Geological Survey in Bradford County, Pennsylvania, May-August 2016
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- Open Access Version: [Publisher Index Page](#) 
- Download citation as: [RIS](#) | [Dublin Core](#)

Abstract



ORCIDs

- Persistent identifiers for people
- Every USGS author required to have ORCID





Drinking Water Health Standards Comparison and Chemical Analysis of Groundwater for 72 Domestic Wells in Bradford County, Pennsylvania, 2016

Scientific Investigations Report 2018-5170
Prepared in cooperation with the Northern Tier Regional Planning and Development Commission


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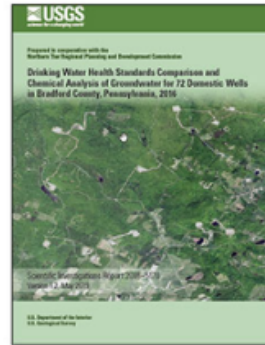
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Abstract

Altmetric



- Provides online attention score for individual publications
- Badges display on citation pages



Drinking Water Health Standards Comparison and Chemical Analysis of Groundwater for 72 Domestic Wells in Bradford County, Pennsylvania, 2016

Scientific Investigations Report 2018-5170

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Altmetric

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Abstract

CHORUS


- Clearinghouse for the Open Research of the United States
- Provides public access date information for publications



Publication of an Organization Other than the U.S. Geological Survey

Ecosystem variability along the estuarine salinity gradient: Examples from long-term study of San Francisco Bay

Limnology and Oceanography

By: James E. Cloern , Alan D. Jassby, Tara Schraga , Erica S. Kress , and Charles A. Martin 

<https://doi.org/10.1002/lno.10537>

CHORUS

Links

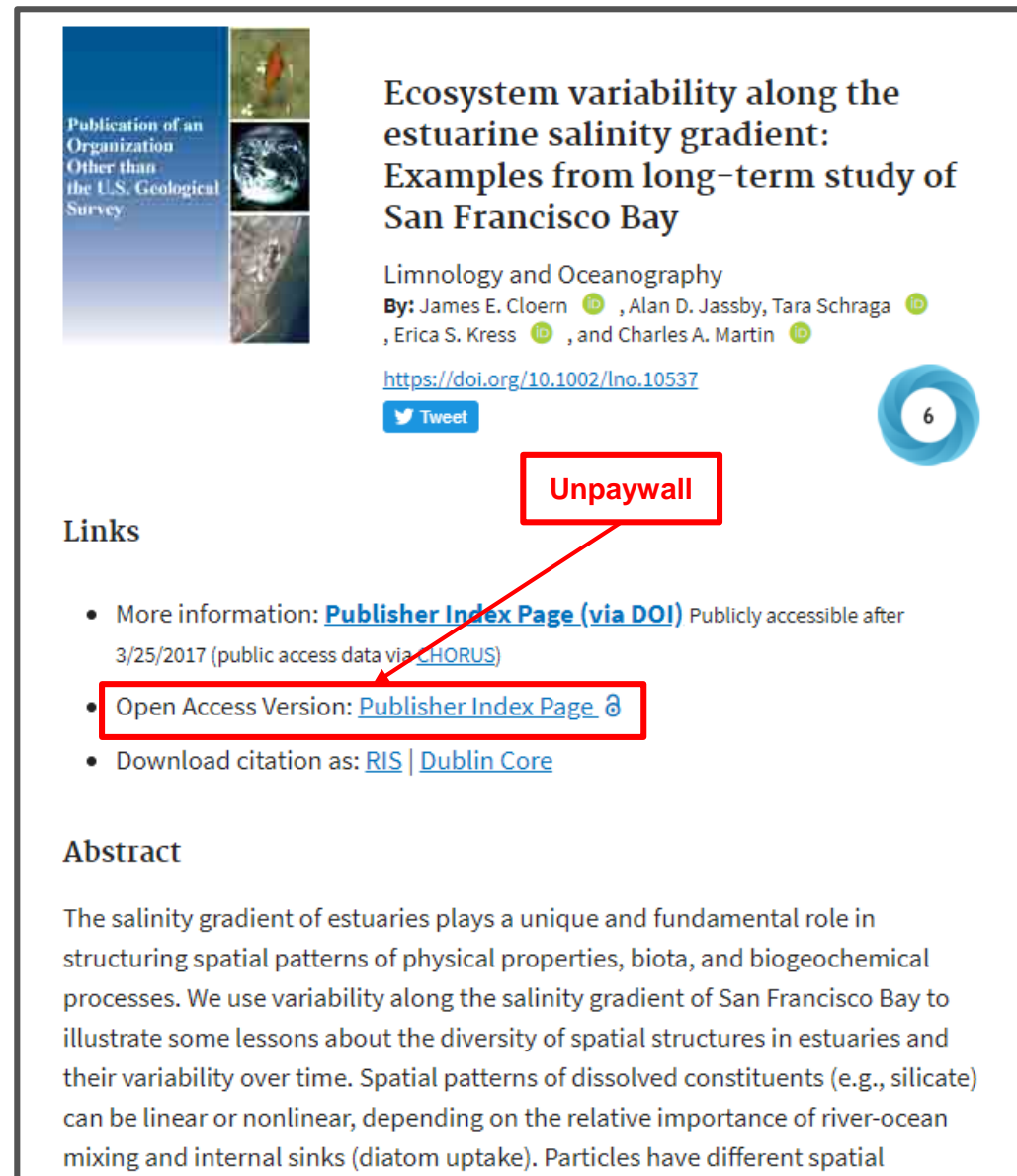
- More information: [Publisher Index Page \(via DOI\)](#) Publicly accessible after 3/25/2017 (public access data via [CHORUS](#))
- Open Access Version: [Publisher Index Page](#) 
- Download citation as: [RIS](#) | [Dublin Core](#)

Abstract

The salinity gradient of estuaries plays a unique and fundamental role in structuring spatial patterns of physical properties, biota, and biogeochemical processes. We use variability along the salinity gradient of San Francisco Bay to illustrate some lessons about the diversity of spatial structures in estuaries and their variability over time. Spatial patterns of dissolved constituents (e.g., silicate) can be linear or nonlinear, depending on the relative importance of river-ocean mixing and internal sinks (diatom uptake). Particles have different spatial

Unpaywall

- Identifies open access versions through publisher and other repos
- Adds open access links to articles on citation pages






The screenshot shows a research article page for "Ecosystem variability along the estuarine salinity gradient: Examples from long-term study of San Francisco Bay". The article is from the journal "Limnology and Oceanography". The authors listed are James E. Cloern, Alan D. Jassby, Tara Schraga, Erica S. Kress, and Charles A. Martin. A DOI link is provided: <https://doi.org/10.1002/lno.10537>. A "Tweet" button is visible. A red box labeled "Unpaywall" points to the "Open Access Version: Publisher Index Page" link in the "Links" section. Another red box highlights the "Open Access Version" link. The "Abstract" section begins with: "The salinity gradient of estuaries plays a unique and fundamental role in structuring spatial patterns of physical properties, biota, and biogeochemical processes. We use variability along the salinity gradient of San Francisco Bay to illustrate some lessons about the diversity of spatial structures in estuaries and their variability over time. Spatial patterns of dissolved constituents (e.g., silicate) can be linear or nonlinear, depending on the relative importance of river-ocean mixing and internal sinks (diatom uptake). Particles have different spatial


Publication of an Organization Other than the U.S. Geological Survey

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<https://doi.org/10.1002/lno.10537>



6

Links

- More information: [Publisher Index Page \(via DOI\)](#) Publicly accessible after 3/25/2017 (public access data via [CHORUS](#))
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Abstract

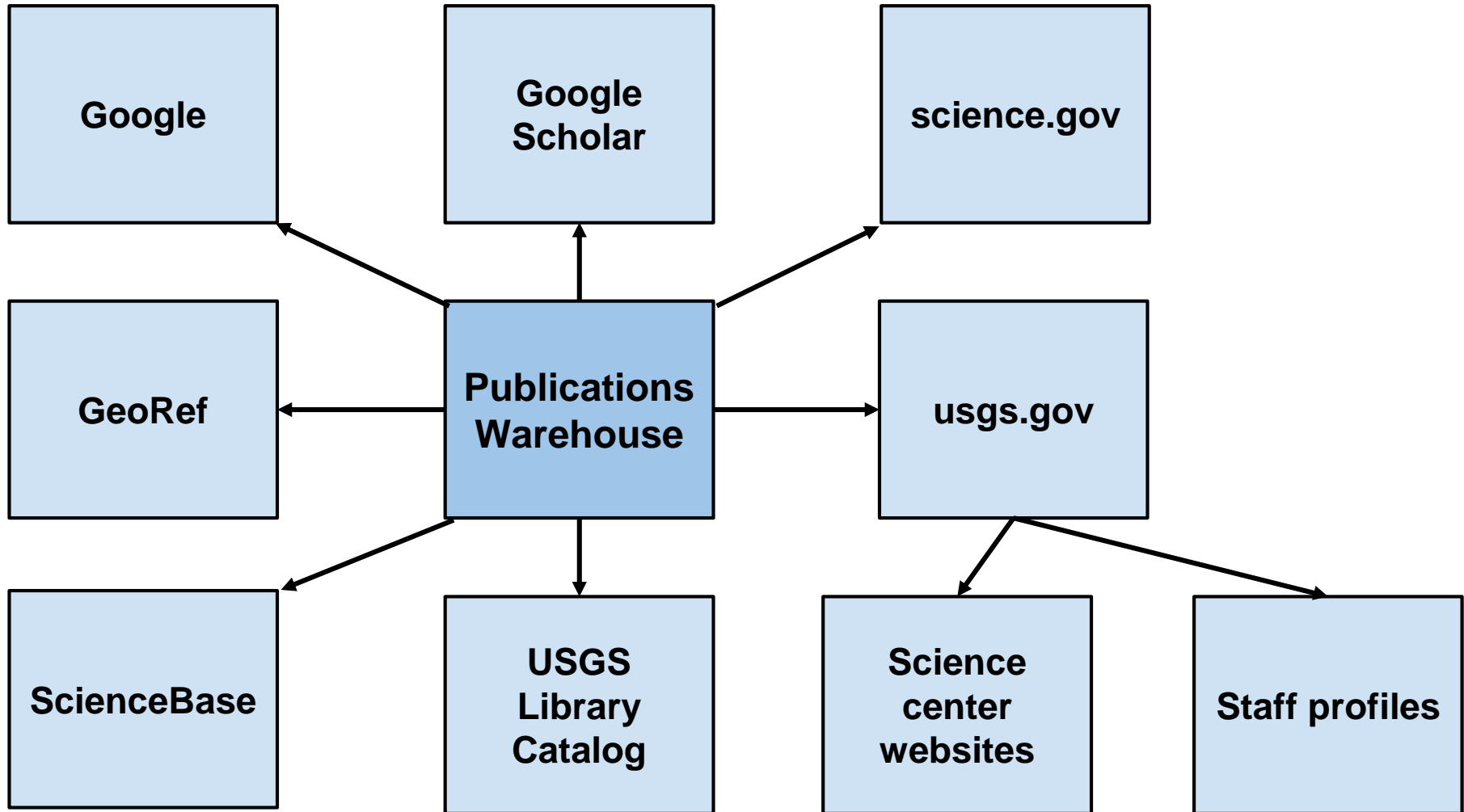
The salinity gradient of estuaries plays a unique and fundamental role in structuring spatial patterns of physical properties, biota, and biogeochemical processes. We use variability along the salinity gradient of San Francisco Bay to illustrate some lessons about the diversity of spatial structures in estuaries and their variability over time. Spatial patterns of dissolved constituents (e.g., silicate) can be linear or nonlinear, depending on the relative importance of river-ocean mixing and internal sinks (diatom uptake). Particles have different spatial

Publications Warehouse API

- Site is dynamic and service driven
- Web service can be queried using a RESTlike technique
- API is open to anyone to use

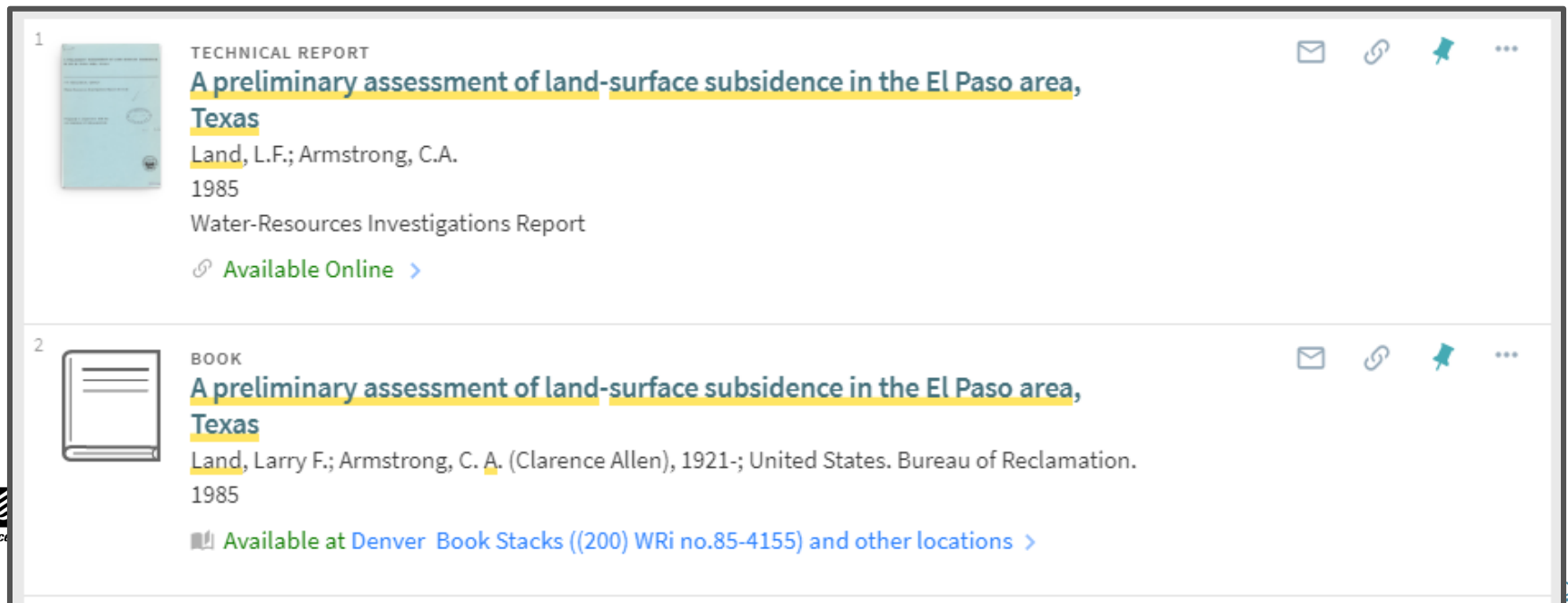
REST parameter	Argument	Domain Value URL	Discussion
q	<i>any text string</i>		The core pubs warehouse search parameter, searches a text index of all fields of pubs warehouse. Common words (a, as, the, etc) are dropped from the search, and plurals (e.g. hurricane vs. hurricanes) are combined.
title	text string		An exact match for the string within the title of a publication
contributingOffice	text string	https://pubs.er.usgs.gov/pubs-services/lookup/costcenters?mimetype=json	The name of the USGS organization which contributed this publication. There is a domain value service for contributing office. The data behind this particular field is best starting in roughly 2012, though some offices have much better data.
contributor	text string		any text string matching a contributor, with the right side if the sting wildcarded. For example, wild will match both wild and wildlife. For more recent publications, the email address of usgs contributors is also indexed.
year	number (4 digit)		exact match for year published
startYear	number		Return publications that were published in or after this year.
endYear	number		Return publications that were published in or before this year
typeName		https://pubs.er.usgs.gov/pubs-services/lookup/publicationtypes?mimetype=json	
subtypeName		https://pubs.er.usgs.gov/pubs-services/lookup/publicationstypes?mimetype=json&publicationtypeid=4	
seriesName		https://pubs.er.usgs.gov/pubs-services/lookup/publicationseries?active=n&mimetype=json&publicationstypesubtypeid=12&text=as	
reportNumber	string		matches a USGS or other agency report number

Publications Warehouse API users





USGS Library Catalog

- Pubs Warehouse records now display in the Library catalog
- Search “Everything” to return print & Pubs Warehouse results




The screenshot displays two search results for the same title: 'A preliminary assessment of land-surface subsidence in the El Paso area, Texas'. The first result (1) is a technical report from 1985 by Land, L.F. and Armstrong, C.A., available online. The second result (2) is a book from 1985 by Land, Larry F. and Armstrong, C. A. (Clarence Allen), available at Denver Book Stacks and other locations. Both results include icons for email, link, and pin.

1  TECHNICAL REPORT
A preliminary assessment of land-surface subsidence in the El Paso area, Texas
Land, L.F.; Armstrong, C.A.
1985
Water-Resources Investigations Report
[Available Online >](#)

2  BOOK
A preliminary assessment of land-surface subsidence in the El Paso area, Texas
Land, Larry F.; Armstrong, C. A. (Clarence Allen), 1921-; United States. Bureau of Reclamation.
1985
[Available at Denver Book Stacks \(\(200\) WRi no.85-4155\) and other locations >](#)

USGS Library Catalog



TECHNICAL REPORT
A preliminary assessment of land-surface subsidence in the El Paso area, Texas
Land, L.F.; Armstrong, C.A.
1985
Water-Resources Investigations Report - 85-4155
[Available Online >](#)

TOP

SEND TO

VIEW IT NOW

DETAILS

RELATED LINKS

Send to

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Full text availability

Display resource from USGS Publications Warehouse

Details

Title	A preliminary assessment of land-surface subsidence in the El Paso area, Texas
Creator	Land, L.F. > Armstrong, C.A. >
Publisher	U.S. Geological Survey
Creation Date	1985
Series Title	Water-Resources Investigations Report
Series Code	WRI
Series Number	85-4155
Citation	A preliminary assessment of land-surface subsidence in the El Paso area, Texas; 1985; WRI; 85-4155; Land, L. F.; Armstrong, C. A.
Type	Technical Report

Example of PW record in Library catalog

USGS.gov science center webpages

- Publications Warehouse automatically populates associated publications for USGS science center webpages

HOME
SCIENCE
DATA AND TOOLS
MAPS
PUBLICATIONS
SOFTWARE
MULTIMEDIA
NEWS
CONNECT
PARTNERS
ABOUT

Publications

This list of Upper Midwest Water Science Center publications spans from 1899 to present. It includes both official USGS publications and journal articles authored by our scientists. To access the full, searchable catalog of USGS publications, please visit the USGS Publications Warehouse.

[Pubs Warehouse](#)

Filter Total Items: 1,749

Select Type ▼ Select Topics ▼ Select Year ▼ Select Order ▼ [Apply Filter](#)

[Reset](#)

Year Published: 2019

[Stormwater-quality performance of line permeable pavement systems](#)

Three permeable pavements were evaluated for their ability to improve the quality of stormwater runoff over a 22-month period in Madison, Wisconsin. Using a lined system with no internal water storage, permeable interlocking concrete pavers (PICP), pervious concrete (PC), and porous asphalt (PA) were able to significantly remove sediment and...

Selbig, William R.; Buer, Nicolas; Danz, Mari
Attribution: Upper Midwest Environmental Sciences Center, Upper Midwest Water Science Center, Water Resources

Year Published: 2019

[Estimates of long-term mean daily streamflow and annual nutrient and suspended-sediment loads considered for use in regional SPARROW models of the Conterminous United States, 2012 base year](#)

Streamflow, nutrient, and sediment concentration data needed to estimate long-term mean daily streamflow and annual constituent loads were compiled from Federal, State, Tribal, and regional agencies, universities, and nongovernmental organizations. The streamflow and loads are used to develop Spatially Referenced Regressions on Watershed...


Saad, David A.; Schwarz, Gregory E.; Argue, Denise M.; Anning, David W.; Ator, Scott A.; Hoos, Anne B.; Preston, Stephen D.; Robertson, Dale M.; Wise, Daniel

USGS Publications Warehouse: <https://pubs.er.usgs.gov>

USGS.gov staff profiles

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Justin Boldt



Justin is a Hydrologist for the USGS Indiana-Kentucky Water Science Center in Louisville, KY. He is experienced with hydroacoustic instruments, bathymetric surveying, programming, and hydraulic modeling.

Biography

Education

Master of Science, Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, 2013
Bachelor of Science, Engineering (Civil/Environmental Concentration), Calvin College, 2009

Science and Products


Science Publications

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Potential interaction of groundwater and surface water including autonomous underwater vehicle reconnaissance at Nolin River Lake, Kentucky, 2016

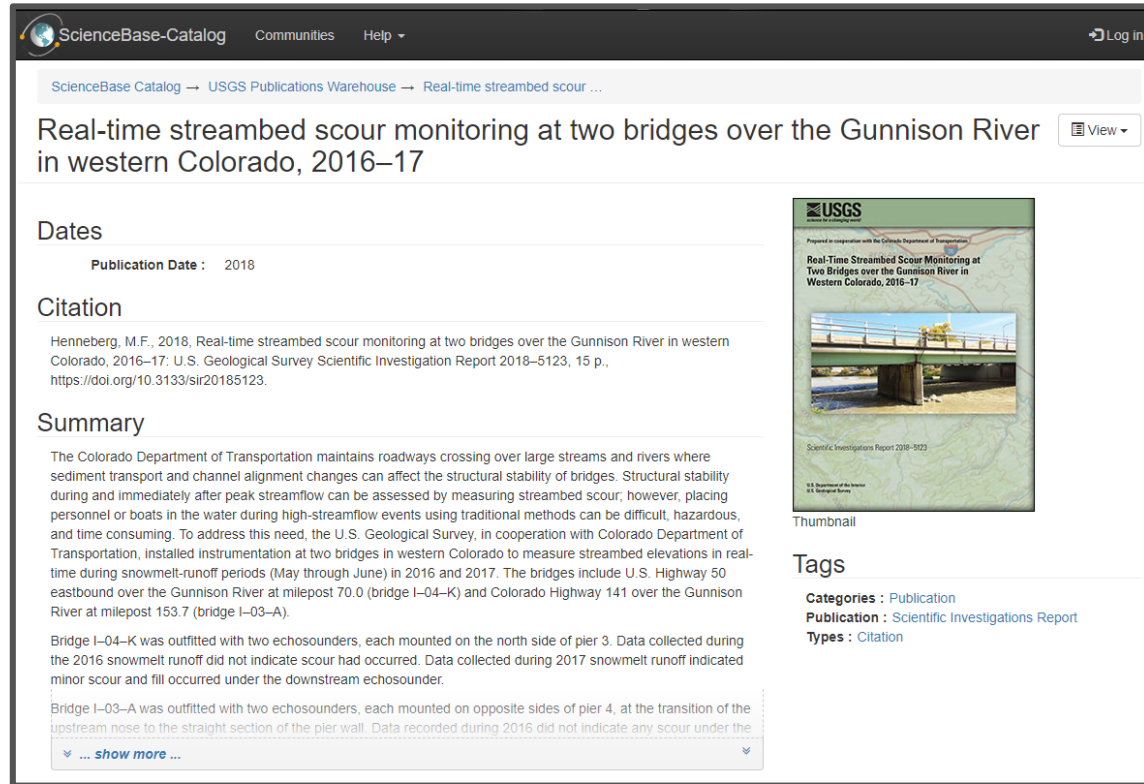
The U.S. Geological Survey collaborated with the U.S. Army Corps of Engineers, Louisville District, on a synoptic study of water quality at Nolin River Lake during August 2016. The purpose of the study was to develop a better understanding of the potential for interaction between groundwater and surface water at Nolin River Lake, Kentucky....

Crain, Angela S.; Boldt, Justin A.; Bayless, E. Randall; Bunch, Aubrey R.; Young, Jade L.; Thomason, Jennifer C.; Wolf, Zachary L.
Attribution: Ohio Kentucky Indiana Water Science Center, Water Resources

[View Citation](#)

USGS ScienceBase

- All USGS Publications Warehouse records are available through USGS ScienceBase
- <https://www.sciencebase.gov>



The screenshot shows the ScienceBase-Catalog interface. The breadcrumb trail is: ScienceBase Catalog → USGS Publications Warehouse → Real-time streambed scour ... The page title is "Real-time streambed scour monitoring at two bridges over the Gunnison River in western Colorado, 2016-17". The "Dates" section shows "Publication Date : 2018". The "Citation" section lists: "Henneberg, M.F., 2018, Real-time streambed scour monitoring at two bridges over the Gunnison River in western Colorado, 2016-17: U.S. Geological Survey Scientific Investigation Report 2018-5123, 15 p., <https://doi.org/10.3133/sir20185123>." The "Summary" section contains two paragraphs: "The Colorado Department of Transportation maintains roadways crossing over large streams and rivers where sediment transport and channel alignment changes can affect the structural stability of bridges. Structural stability during and immediately after peak streamflow can be assessed by measuring streambed scour; however, placing personnel or boats in the water during high-streamflow events using traditional methods can be difficult, hazardous, and time consuming. To address this need, the U.S. Geological Survey, in cooperation with Colorado Department of Transportation, installed instrumentation at two bridges in western Colorado to measure streambed elevations in real-time during snowmelt-runoff periods (May through June) in 2016 and 2017. The bridges include U.S. Highway 50 eastbound over the Gunnison River at milepost 70.0 (bridge I-04-K) and Colorado Highway 141 over the Gunnison River at milepost 153.7 (bridge I-03-A)." and "Bridge I-04-K was outfitted with two echosounders, each mounted on the north side of pier 3. Data collected during the 2016 snowmelt runoff did not indicate scour had occurred. Data collected during 2017 snowmelt runoff indicated minor scour and fill occurred under the downstream echosounder." A "show more ..." link is visible at the bottom of the summary. On the right, there is a thumbnail image of the report cover, which includes the USGS logo and the title "Real-Time Streambed Scour Monitoring at Two Bridges over the Gunnison River in Western Colorado, 2016-17". Below the thumbnail are "Tags" and "Categories : Publication", "Publication : Scientific Investigations Report", and "Types : Citation".

Google and Google Scholar

- Publications Warehouse is fully indexed by search engines

Google search results for "Real-time streambed scour monitoring at two bridges over the Gunnison River". The search bar contains the query. Below the search bar, there are navigation links for All, Images, News, Maps, Shopping, More, Settings, and Tools. The search results show "About 1,930 results (0.62 seconds)". The top result is "Real-time streambed scour monitoring at two bridges over the ..." with a URL "https://pubs.er.usgs.gov › publication › sir20185123" highlighted in a red box. The author is "by MF Henneberg - 2018" and the date is "Dec 19, 2018". A second result is a PDF version of the same article.

Google Scholar search results for "Real-time streambed scour monitoring at two bridges over the Gunnison River". The search bar contains the query. Below the search bar, there are navigation links for Articles and My profile. The search results show "Any time" and "Sort by relevance". The top result is "Real-time streambed scour monitoring at two bridges over the Gunnison River in western Colorado, 2016–17" by "MF Henneberg - 2018" with a URL "pubs.er.usgs.gov" highlighted in a red box. The abstract is visible, starting with "The Colorado Department of Transportation maintains roadways crossing over large streams and rivers where sediment transport and channel alignment changes can affect the structural stability of bridges." There are also options to "include patents" and "include citations".

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[Real-time streamed scour monitoring at two bridges over the Gunnison River in western Colorado, 2016-17](#)

☆☆☆☆☆

USGS Publications Warehouse

Henneberg, Mark F.
2018-12-19 Scientific Investigations Report
DOI: 10.3133/sir20185123 ISSN: 2328-031X
The Colorado Department of Transportation maintains roadways crossing over large streams and rivers where sediment transport and channel alignment changes can affect the structural stability of bridges. Structural stability during and immediately after peak streamflow can be assessed by measuring streambed scour; however, placing personnel or boats [Read More...](#)

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- GeoRef indexes a subset of USGS publications

The screenshot shows the EBSCOhost search interface. The search query is "Geologic map of Chickasaw National Recreation Area, Murray County, Oklahoma". The search results page displays a single record with the following details:

Geologic map of Chickasaw National Recreation Area, Murray County, Oklahoma

Authors: Lidke, David J.; Wahl, Ronald R.; Golab, James A.; Blome, Charles D.

Source: [Scientific Investigations Map](#), May 08, 2014

Publisher: U. S. Geological Survey : Reston, VA, United States

Research Programs: USGS

Country of Publication: United States

Publication Date: May 08, 2014

Collation: 28 p.

Languages: English

Major Categories: (14)[Geologic maps](#)

Subject(s): areal geology; [Chickasaw National Recreation Area](#); geographic information systems; [geologic maps](#); geomorphology; information systems; landforms; lithostratigraphy; [maps](#); [Murray County](#)

The interface also includes navigation options like "Basic Search", "Advanced Search", and "Search History", as well as a "Tools" sidebar with options like "Google Drive", "Add to folder", "Print", "E-mail", "Save", "Cite", "Export", "Create Note", "Permalink", and "Share".

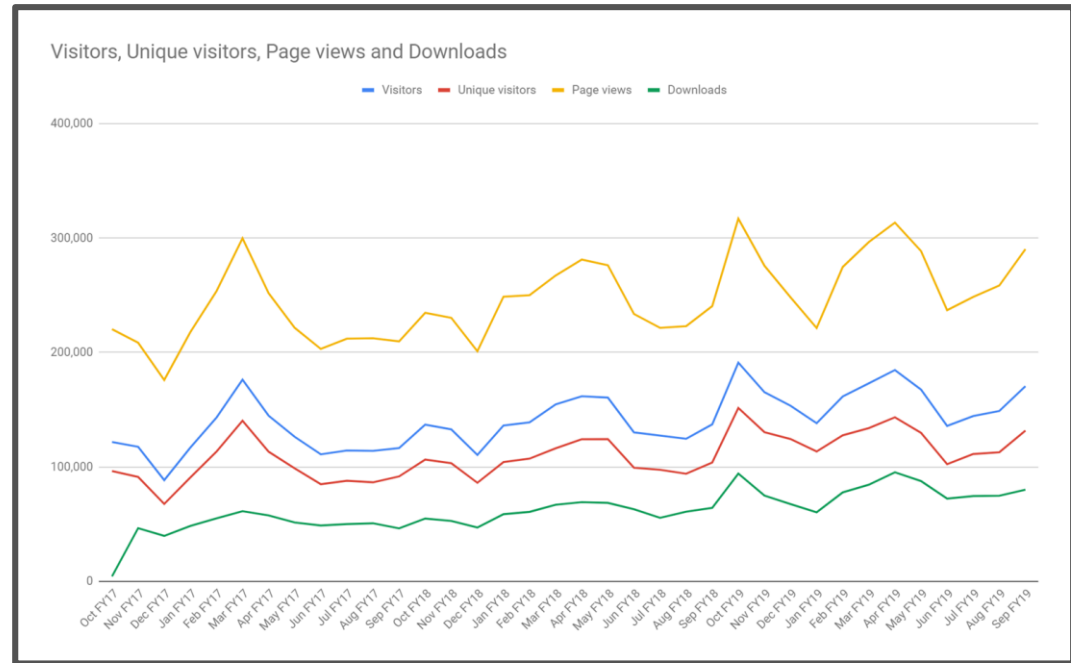
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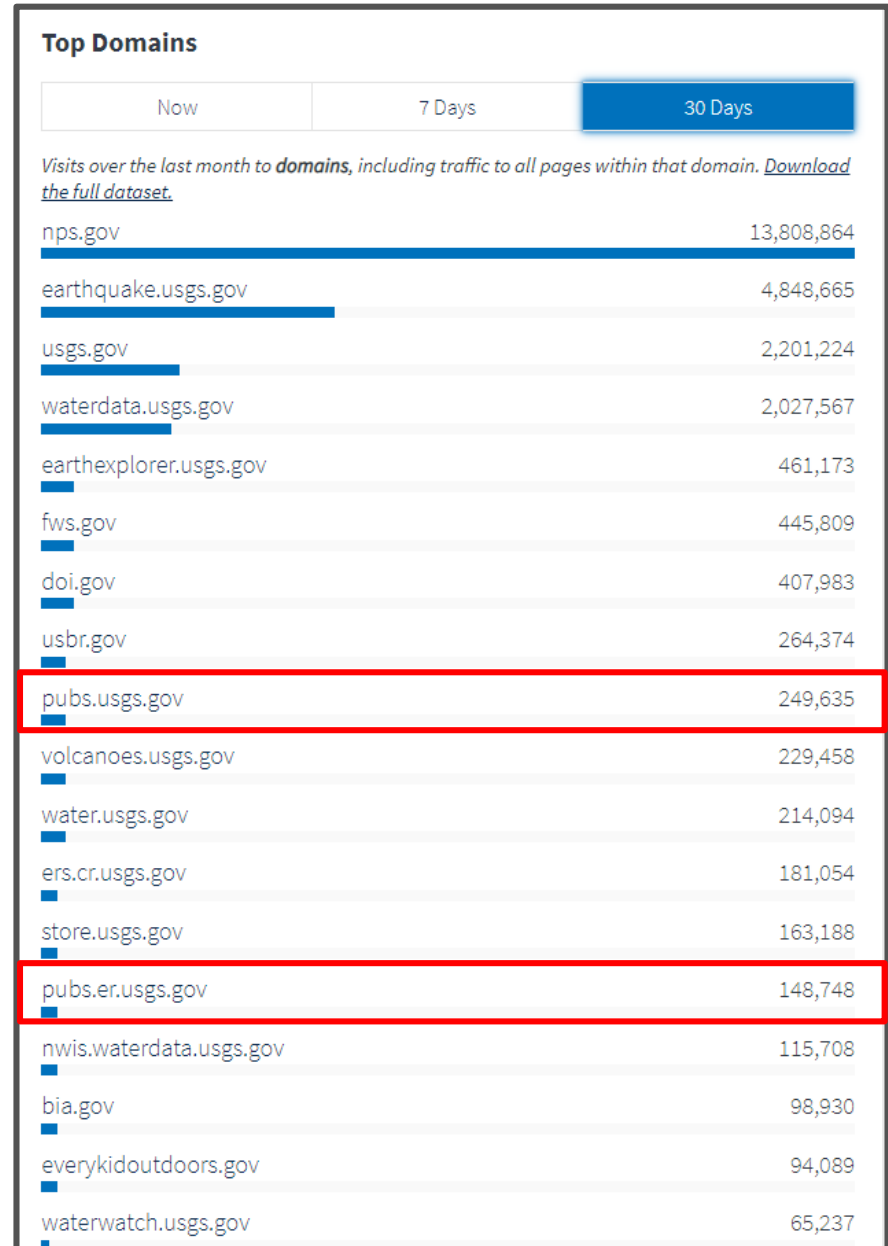
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Publications Warehouse statistics

- Consistently a top website in all of Department of Interior



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- XML publishing
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- Interface improvements
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 - Google analytics metrics for each citation page, query by DOI, additional organizational tags

Thank you!

Kelly Haberstroh

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