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## Research Models, Primo [PSU Library Catalog], and the First Year Experience

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# Research Models, Primo, & The First Year Experience

Kimberly Willson-St. Clair  
Portland State University Library  
August 14, 2017

# Academic Students - The First Year Experience

- Freshman
- Transfers
- International Students - 1st U.S. academic experience

Library  
Anxiety



San Francisco Street Art  
Jeffrey St. Clair (2012)



## Research Anxiety

Godzilla 1  
Car Paint on Metal  
Joel Nakamura



Ready for...

Research  
as  
Strategic  
Exploration

Mount Hood (1908)  
Childe Hassam  
Portland Art Museum

# Provide Students with Structures for Research

ASE

Analyze, Search, Evaluate

BEAM

Background, Exhibits, Argument, Method

Primo

Research starting point

# Background - Scholarly Subject Encyclopedias

## Context and Keywords >

### Discovering the Languages of the Disciplines

encyclopedia\* oceans oil spills

X / Books, Articles & More ▾



ADVANCED SEARCH

PAGE 1 562 Results

- 

**EBOOK**  
**Encyclopedia of marine geosciences**   
Jan Harff, editor.; Martin Meschede, editor.; Sven Petersen, editor.; Jörn Thiede, 1941- editor.  
Dordrecht : Springer 2016  
[Online Access >](#)  
- 

**EBOOK**  
**Encyclopedia of global warming & climate change**  
S. George Philander  
Thousand Oaks, Calif. : SAGE Publications ©2012  
[Find & Request >](#)  
- 

**PRINT BOOK**  
**Encyclopedia of energy**   
Morris A. Pierce  
Ipswich, Massachusetts : Salem Press 2012  
[Find & Request >](#)  
[Online Access >](#)  



# Exhibit - Examples, Explicates

**Newspaper articles** for reported information about current events

Keywords - Valdez shoreline birds - Date Refinement 1989



NEWSPAPER ARTICLE

**LONG PERIL IS SEEN FOR ALASKA COAST.(National Desk)**

Suro, Roberto

The New York Times, April 13, 1989

[Online Access >](#)



NEWSPAPER ARTICLE

**Wildlife Death Toll Climbs As Spill Clings to Alaska.(National Desk)**

Egan, Timothy

The New York Times, May 19, 1989

[Online Access >](#)



NEWSPAPER ARTICLE

**CHEMICALS URGED FOR ALASKA SPILL.(National Desk)**

Ap

The New York Times, May 13, 1989

[Online Access >](#)

0



NEWSPAPER ARTICLE

**Largest U.S. Tanker Spill Spews 270,000 Barrels of Oil Off Alaska.  
(National Desk)**

Shabecoff, Philip

The New York Times, March 25, 1989

# Argument - Affirm, Refute, Refine, or Extend Scholarly Chapters in Books

1



PRINT BOOK

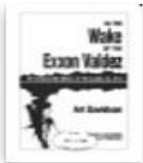
**Oil spill science and technology : prevention, response, and cleanup**

Mervin F. Fingas

Burlington, MA : Elsevier/Gulf Professional Pub. c2011

 [Find & Request >](#)

2



PRINT BOOK

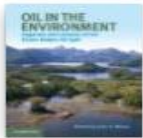
**In the wake of the Exxon Valdez : the devastating impact of the Alaska oil spill**

Art Davidson, 1943-

San Francisco : Sierra Club Books ©1990

 [Available at PSU Library Shelves -- 5th floor \(TD427 .P4 D39 1990\)](#)

3



PRINT BOOK

**Oil in the environment : legacies and lessons of the Exxon Valdez oil spill**

John A. Wiens

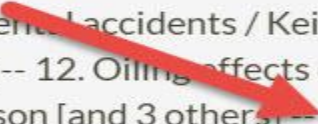
Cambridge : Cambridge University Press 2013

 [Find & Request >](#)



# Details - Evaluate Table of Contents > Analyze Subjects & TOCs for Keywords

Part I. Introduction and background -- 1. Introduction and background / John A. Wiens -- 2. The phases of an oil spill and scientific studies of spill effects / Paul D. Boehn, Erich R. Gundlach, and David S. Page -- Part II. Oil in the environment -- 3. Oil in the water column / Paul D. Boehm, Jerry M. Neff, and David S. Page -- 4. Surveying oil on the shoreline / Edward H. Owens and P. Douglas Reimer -- 5. Ancient sites and emergency response: cultural resource protection / Chris B. Wooley and James C. Haggarty -- 6. Fate of oil on shorelines / David S. Page [and 4 others] -- 7. Understanding subsurface contamination using conceptual and mathematical models / Gary A. Pope, Kimberly D. Gordon, and James R. Bragg -- 8. Removal of oil from shorelines: biodegradation and bioremediation / Ronald M. Atlas and James R. Bragg -- Part III. Biological effects -- 9. Cytochrome P450 1A (CYP1A) as a biomarker in oil spill assessments / James T. Oris and Aaron P. Roberts -- 10. Assessing effects and recovery from environmental accidents / Keith R. Parker [and 3 others] -- 11. Shoreline biota / Erich R. Gundlach [and 3 others] -- 12. Oiling effects on pink salmon / Ernest L. Brannon [and 4 others] -- 13. Pacific herring / Walter H. Pearson [and 3 others] -- 14. Oil and marine birds in a variable environment / John A. Wiens, Robert H. Day, and Stephen M. Murphy -- 15. Sea otters: trying to see the forest for the trees since the Exxon Valdez / David L. Garshells and Charles B. Johnson -- Part IV. Assessing oil spill effects and ecological recovery -- 16. Characterizing ecological risks, significance, and recovery / Mark A. Harwell, John H. Gentile, and Keith R. Parker -- Part V. Conclusions -- 17. Science and oil spills: the broad picture / John A. Wiens -- Index.



# Argument - Affirm, Refute, Refine, or Extend

## Scholarly Articles - Created Knowledge, part of the Scholarly Conversation

Exxon Valdez AND "marine birds" × Books, Articles & More

Sign in for complete results and to request items. [Sign in](#) × DISMISS

PAGE 1 147 Results

**Active filters**

Peer-reviewed Journals ×


[Reset filters](#)


**Refine My Results**


Sort by Relevance ▾

Availability ^

PSU Online Resources (131)

1  ARTICLE / multiple sources exist. see all  
**A CANONICAL CORRESPONDENCE ANALYSIS OF THE EFFECTS OF THE EXXON VALDEZ OIL SPILL ON MARINE BIRDS**  
Wiens, John A. ; Crist, Thomas O. ; Day, Robert H. ; Murphy, Stephen M. ; Hayward, Gregory D.  
peer\_reviewed  
Ecological Applications, June 2001, Vol.11(3), pp.828-839[Peer Reviewed Journal]  
[Online Access >](#)

2  ARTICLE / multiple sources exist. see all  
**Evaluation of two direct immunoassays for rapid detection of petroleum products on marine birds**  
Fritcher, Deana L ; Mazet, Jonna A.K ; Ziccardi, Michael H ; Gardner, Ian A  
peer\_reviewed  
Marine Pollution Bulletin. 2002. Vol.44(5). pp.388-395[Peer Reviewed Journal]



# Details - Evaluate the Abstract of the Article

[Exxon Valdez](#) >

[Habitat Variation](#) >

[Multivariate Statistics](#) >

[Oil Spill Impacts And Recovery](#) >

[Prince William Sound](#) >

[Seabirds](#) >

## Notes

To assess how the oil spill affected habitat occupancy by communities of marine-oriented [birds](#) in Prince William Sound, Alaska, we conducted a canonical correspondence analysis (CCA) using data collected between 1989 and 1996 in 10 bays that had been exposed to different levels of oiling. CCA creates a multivariate space defined by a combination of environmental variables and measures of the abundances of the bird species present in the bays. The locations of individual sites (site scores) in this multivariate space indicate how bird-community composition at the sites varies in relation to the combination of environmental variables, while the locations of individual bird

# Discover **Method** - Perspective - Scholarly Chapters in Books

1



PRINT BOOK

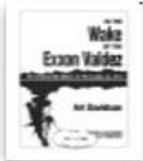
**Oil spill science and technology : prevention, response, and cleanup**

Mervin F. Fingas

Burlington, MA : Elsevier/Gulf Professional Pub. c2011

 [Find & Request >](#)

2



PRINT BOOK

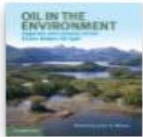
**In the wake of the Exxon Valdez : the devastating impact of the Alaska oil spill**

Art Davidson, 1943-

San Francisco : Sierra Club Books ©1990

 [Available at PSU Library Shelves -- 5th floor \(TD427 .P4 D39 1990\)](#)

3



PRINT BOOK

**Oil in the environment : legacies and lessons of the Exxon Valdez oil spill**

John A. Wiens

Cambridge : Cambridge University Press 2013

 [Find & Request >](#)



# Details - Evaluate Summary > Discover **Method**

Language

English

Notes

What light does nearly 25 years of scientific study of the Exxon Valdez oil spill shed on the fate and effects of a spill? How can the results help in assessing future spills? How can ecological risks be assessed and quantified? In this, the first book on the effects of Exxon Valdez in 15 years, scientists directly involved in studying the spill provide a comprehensive perspective on, and synthesis of, scientific information on long-term spill effects. The coverage is multidisciplinary, with chapters discussing a range of issues including effects on biota, successes and failures of post-spill studies and techniques, and areas of continued disagreement. An even-handed and critical examination of more than two decades of scientific study, this is an invaluable guide for studying future oil spills and, more broadly, for unraveling the consequences of any large environmental disruption. Tables.

# Bibliography

**Bizup, Joseph. (2008). "BEAM: A Rhetorical Vocabulary for Teaching Research-Based Writing." *Rhetoric Review* 27, 72-86.**

**Ganski, Kate. (March 28, 2013). *Flipping Freshman Composition Library Instruction*. My So Called Librarian Life. Retrieved from <https://ganski.wordpress.com/>.**

**Gross, Melissa, & Latham, Don. (2007). Attaining Information Literacy: An investigation of the relationship between skill level, self-estimates of skill, and library anxiety. *Library & Information Science Research* 29, 332-353.**

**Mellon, Constance. (March 1986). Library Anxiety: A Grounded Theory and its Development. *College and Research Libraries* 47, 162-163.**