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Research Models, Primo, & the First Year Experience

Kimberly Willson-St. Clair

Portland State University, willsons@pdx.edu

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Research Models, Primo, & The First Year Experience

Kimberly Willson-St. Clair
Portland State University Library
November 16, 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

Background - Scholarly Subject Encyclopedias




Context and Keywords

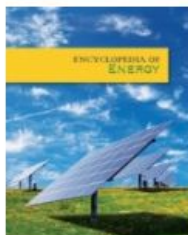
Discovering the Languages of the Disciplines

encyclopedia* oceans oil spills ✕ / Books, Articles

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-  **EBOOK**
Encyclopedia of marine geosciences
Jan Harff, editor.; Martin Meschede, editor.; Sven Petersen, editor.; Jörn Thiede, 1941- editor.
Dordrecht : Springer
2016
[Online Access >](#)
-  **PRINT BOOK**
Encyclopedia of pollution
Alexander E. Gates, 1957-
Robert P. Blauvelt
New York, NY : Facts on File
©2011
[Find & Request >](#)
-  **PRINT BOOK**
Encyclopedia of energy
Morris A. Pierce
Ipswich, Massachusetts : Salem Press
2012
[Online Access >](#)



Oil Spills

4 pages

TOPIC OVERVIEW ▲

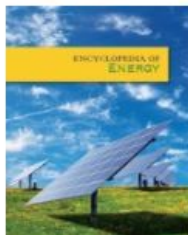
Category: Environmentalism. Summary: An oil spill is the accidental release of liquid petroleum into the environment as a result of human activity. This definition excludes natural oil seeps, in which liquid petroleum...

From [Encyclopedia of Energy](#)

Sarah Boslaugh . Ed. Morris A. Pierce . Vol. 3. Ipswich, MA: Salem Press, 2013.

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Exxon Valdez Oil Spill

5 pages

TOPIC OVERVIEW ▲

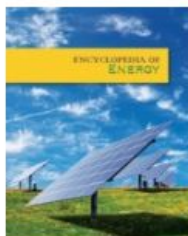
Category: Environmentalism. Summary: The grounded oil tanker Exxon Valdez spilled over 11 million gallons of crude oil into Prince William Sound, Alaska, in 1989, becoming the largest U.S. oil spill to date. Problems...

From [Encyclopedia of Energy](#)

Marcella Bush Trevino . Ed. Morris A. Pierce . Vol. 2. Ipswich, MA: Salem Press, 2013.

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Gulf Oil Spill

6 pages

TOPIC OVERVIEW ▲

Category: Environmentalism. Summary: On April 20, 2010, an explosion of a drilling rig linked to a British Petroleum platform called Deepwater Horizon off the coast of Louisiana in the Gulf of Mexico resulted in the...

From [Encyclopedia of Energy](#)

Miguel Vicente-Mariño . Ed. Morris A. Pierce . Vol. 2. Ipswich, MA: Salem Press, 2013.

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Exhibit - Examples, Explications

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

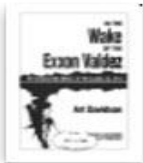
Oil spill science and technology : prevention, response, and cleanup

Mervin F. Fingas

Burlington, MA : Elsevier/Gulf Professional Pub. c2011

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2



PRINT BOOK

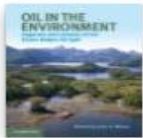
In the wake of the Exxon Valdez : the devastating impact of the Alaska oil spill

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

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Notes - Evaluate Table of Contents >

Analyze TOCs for Keywords

Notes

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.

Details > Subjects

Analyze Subjects or Controlled Vocabulary for Keywords

Subjects

Petroleum -- Environmental aspects >

Oil spills -- Cleanup >

Oil pollution of soils >

Shore protection >

Oil pollution of the sea >

Oil spills -- Cleanup -- Alaska -- Prince William Sound Region >

Exxon Valdez Oil Spill, Alaska, 1989 >

Argument - Affirm, Refute, Refine, or Extend

Scholarly Articles - Created Knowledge, part of the Scholarly Conversation

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

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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]



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]



Similar Articles

Effects of the Exxon Valdez oil spill on birds: Comparisons of...

RH Day

The Condor.1997, Vol. 99(2), p. 299-313

Harlequin Duck population injury and recovery dynamics...

Daniel Iverson

Ecological applications.2010, Vol. 20(7), p. 1993-2006

Long-term impacts of the Exxon Valdez oil spill on sea...

Daniel F Doak

Proceedings of the National Academy of Sciences of the United States of America.2000, Vol. 97(12), p. 6562-6567

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Notes - 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

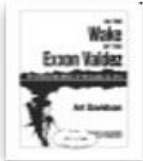
Oil spill science and technology : prevention, response, and cleanup

Mervin F. Fingas

Burlington, MA : Elsevier/Gulf Professional Pub. c2011

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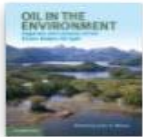
In the wake of the Exxon Valdez : the devastating impact of the Alaska oil spill

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3



PRINT BOOK

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

John A. Wiens

Cambridge : Cambridge University Press 2013

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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.