



National Renewable Energy Laboratory

Wind-Wildlife Impacts Literature Database (WILD)

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 Comments/Questions: nwtc.library@nrel.gov

Progress has been made during the last several years in understanding the ways to avoid, minimize, and mitigate the impacts of wind projects on wildlife. The newly updated, publicly available Wind-Wildlife Impacts Literature Database (WILD), created by the National Renewable Energy Laboratory's National Wind Technology Center, focuses on the effects of wind energy development on wildlife. WILD contains citations to over 1,000 journal articles, government publications, conference proceedings, environmental impact statements, and utility company reports. WILD contains research related to land-based as well as offshore wind development and includes domestic as well as international contributions. The database will be continually updated as new materials become available.

Connect to the database: <http://www.nrel.gov/wind/>

Wind Research
Wind-Wildlife Impacts Literature Database (WILD)

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Search by Keyword(s) Search Words from Title, Abstract, Publication Source/Notes and Author Names

Search For:

Title: contains all
 Author: contains all
 Publication Source/Notes: contains all
 Publication Year: =
 Abstract: contains all

Field Connector: AND

Order By: Publication Year Descending

Options: Results Per Page: 25 Hit highlighting: yes

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1 Search screen: search by keywords, title, author, notes, and abstract. Sort results by publication year, title, author, and document number.

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Full Text	Title	Author	Publication Year	Publication Source/Notes
	A Sampling Framework for Conducting Studies of the Influence of Wind Energy Developments on Birds and Other Avian	Morrison, M. L., Sinclair, K., C. J. Theilacker, C. G.	2002	Chapter 5, Pages 101-116 in: Birds and Wind Farms: Risk Assessment and Mitigation, Marcelo de Lucas, Giovanni F. F. Jans, Raoul Ferrer, Editors, World Science, 2002
	Environmental Impacts of Wind Energy	Morrison, M. L., Sinclair, K.	2004	From the Encyclopedia of Energy, Volume 6, pages 435-448. Published by Elsevier Inc. Full text available from publisher: doi:10.1016/B0-12-74400-2/00414-8
	Status of Avian Research at the National Renewable Energy Laboratory	Sinclair, K.	2001	Presented at AWEA's Windpower 2001 Conference, Washington, D. C., June 4-7, 2001. NREL/CP-500-30546.
	Shoshone Wind Energy/CBIRD Interactions: A Guidance Document	Anderson, B., Morrison, M. L., Sinclair, K., L. Stockland, D.	1999	Prepared for the Avian Subcommittee of the National Wind Coordinating Committee.
	Predicting the Response of Bird Populations to Wind Energy-Related Hazards	Morrison, M. L., Pollock, K. H., Cheng, A. L., Sinclair, K. C.	1998	Presented at 1998 AOM/IAEA Wind Energy Symposium, Reno, NV, January 12-18, 1998. NREL/CP-500-26700.
	Overview of the U.S. Department of Energy/National Renewable Energy Laboratory Avian Research Program	Sinclair, K., C. Morrison, D. L.	1997	Presented at Windpower '97, Austin, Texas, June 15-18, 1997. NREL/CP-443-20118.

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2 Search results page: click on any title to see more information about a particular item. If full text is available, click on the PDF icon to go directly to the full text of that item.

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Author: Morrison, M. L.; Sinclair, K.

Title: Environmental Impacts of Wind Energy Technology

Publication Year: 2004

Publication Source/Notes: From the Encyclopedia of Energy, Volume 6, pages 435-448. Published by Elsevier Inc.; Full text available from publisher: doi:10.1016/B0-12-74400-2/00414-8

Abstract: Wind energy offers a relatively environmentally benign source of electricity. However, issues have been raised concerning the feasibility of placing commercial wind developments in certain geographic locations and landscape settings. In specific situations, windpower developments have been shown to cause environmental impacts on aerial habitat and movements, noise pollution, visual impacts, biological concerns, land/bat fatalities from collisions with rotating blades, and health concerns. Of all the potential environmental impacts, biological concerns regarding birds and bats have been discussed and studied the most. Thus, although the article covers all potential environmental impacts, it focuses on avian-related issues.

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3 Detailed record from search results page. This record includes a Document Object Identifier (DOI) link that allows the user to either purchase a copy of the article directly from the publisher or see the full text of the article if their institution subscribes to that journal. DOI links are provided whenever possible.

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Author: Sinclair, K.

Title: Status of Avian Research at the National Renewable Energy Laboratory

Publication Year: 2001

Publication Source/Notes: Presented at AWEA's Windpower 2001 Conference, Washington, D. C., June 4-7, 2001. NREL/CP-500-30546.

Abstract: As the use of wind energy expands across the United States, concerns about the impacts of commercial wind farms on bird and bat populations are frequently raised. Two primary areas of concern are (1) possible litigation resulting from the killing of even one bird if it is protected by the Migratory Bird Treaty Act, the Endangered Species Act, or both, and (2) the effect of avian mortality on bird populations. To properly address these concerns, the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) supports scientifically based avian/wind power interaction research. In this paper, I describe NREL's field-based research projects and summarize the status of the research. I also summarize NREL's other research activities, including lab-based vision research to increase the visibility of moving turbine blades and avian acoustic research, as well as our collaborative efforts with the National Wind Coordinating Committee's Avian Subcommittee.

Document Number: 705

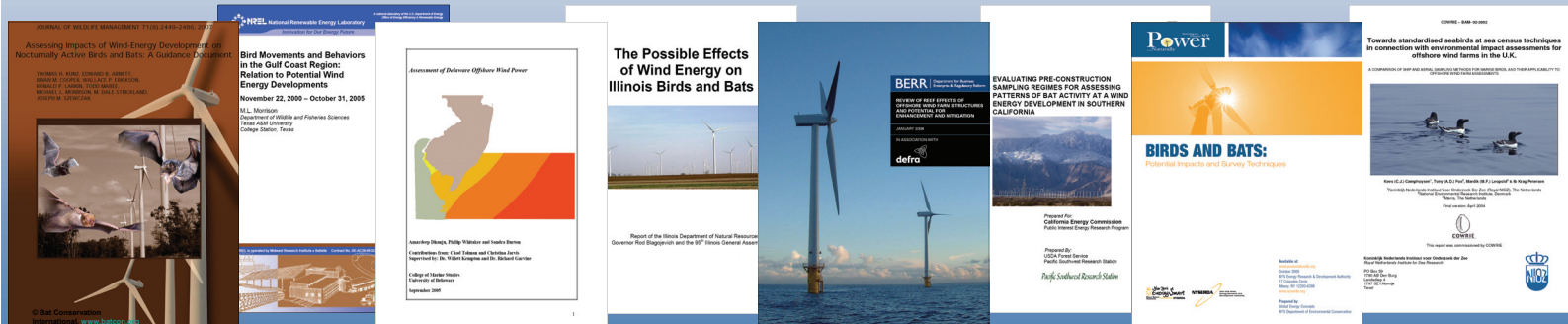
Full Text: 385 KB

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4 Here is another detailed record from the search results list. Many of the items in the database are available for free on the internet. Click on the PDF icon to see the full text.

Sample documents from the database



Do you know of any documents that you would like to see added to this database? We welcome all suggestions. Please contact us at nwtc.library@nrel.gov

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