

Wind-Wildlife Impacts Literature Database (WILD)

What is WILD?

The Wind-Wildlife Impacts Literature Database (WILD), developed and maintained by the National Wind Technology Center (NWTC) at the National Renewable Energy Laboratory (NREL), is comprised of over 1,000 citations pertaining to the effects of land-based wind, offshore wind, marine and hydrokinetic power systems, power lines, and communication and television towers on wildlife.

For the wind energy sector, WILD serves as an invaluable resource by providing easy access to current research and findings on the interaction of wind energy and wildlife. WILD is available to support a wide range of stakeholders including project developers, operators, regulators, policy-makers, wildlife conservationists, and others. The literature available in WILD includes research conducted at both land-based and offshore wind projects, and covers a wide range of species and habitats at project sites in a number of different countries. These research results provide case studies for conducting site assessments, complying with regulations, and advancing the state of knowledge on wind-wildlife challenges being addressed by the wind energy sector.



WILD is available to all users online at <http://wild.nrel.gov>.



Burrowing owl hovering over photographer. Photo from K. Shawn Smallwood, NREL 24926

Technologies include:

- Land-based wind
- Offshore wind
- Marine and hydrokinetic
- Power lines
- Communication and television towers.

Content types include:

- Journal articles
- Conference papers
- Government reports
- Consultant reports
- Environmental impact studies
- Book chapters

- Books

- Theses/dissertations
- Patents
- Legal cases.

Topic areas include:

- Legal guidelines
- Monitoring guidelines
- Impact studies
- Siting assessments
- Pre- and post-construction validation
- Maps of wildlife migration pathways
- Mitigation case studies.



Whooping Crane in Captivity at The International Crane Foundation, Baraboo, Wisconsin. Photo by Karin Sinclair, NREL 27959

Using WILD

WILD is free, publicly available, and serves a wide range of users, from high school to graduate-level students to professional researchers and other wind energy professionals. In 2014, the WILD database had 1,490 users.

WILD provides the ability to:

- Search using the title, keywords, authors, item type, year of publication, area of interest, and other parameters
- Search via multiple filters
- Use tags to locate other relevant material housed in the database.

Contribute!

WILD is pleased to add user contributions to its ever-expanding database. Submissions for new resources or citations may be sent to: nwtc.library@nrel.gov.

Future Work

NREL is focused on providing an easy-to-use database that enables users to get the information they need on wind energy-related wildlife impacts. As a result, enhancements are continually in process, and future work includes:

- Expanding the database to include materials on solar and other forms of renewable energy
- Providing an advanced search feature that allows users to limit their searches by specific fields
- Enabling a batch download of the entire database
- Sending automatic alerts and feeds to users on new publications and citations in specific subjects
- Allowing users to save their searches and results through new personalization features.

Contact

NWTC Library
nwtc.library@nrel.gov
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