





## Tools for Siting to Avoid and Minimize Impacts

Landscape Assessment Tool

&

American Wind Wildlife Information Center

February 2015



### **AWWI Mission**

#### **Groundbreaking Collaboration:**

 To facilitate timely and responsible development of wind energy while protecting wildlife and wildlife habitat



"The beauty of AWWI is that it affords a forum – based on science – where industry, ENGOs, and states can come together and develop the relationships needed to solve wind-wildlife challenges and ultimately get us to a sustainable energy future."

Scott Davis
Director of Conservation, Central Division
The Nature Conservancy
AWWI Board Chair





#### Who is AWWI?

#### Leadership and Commitment

#### **Industry**

- American Wind Energy Association
- Berkshire Hathaway Energy
- Clean Line Energy Partners
- DTE Energy
- Duke Energy Renewables
- EDF Renewable Energy
- FDP Renewables
- Enel Green Power
- First Wind
- GE Power & Water
- Iberdrola Renewables

- Infinity Wind Power
- MAP Royalty
- OwnEnergy
- Pacific Gas & Electric Co.
- Pattern Energy Group
- Renewable NRG Systems
- RES Americas
- TradeWind Energy
- Vestas Americas

## **Environmental, State, and Science Organizations**

- Association of Fish and Wildlife Agencies
- Defenders of Wildlife
- Environmental Defense Fund
- National Audubon Society
- National Wildlife Federation
- Natural Resources Defense Council
- Sierra Club
- The Nature Conservancy
- The Wilderness Society
- Union of Concerned Scientists



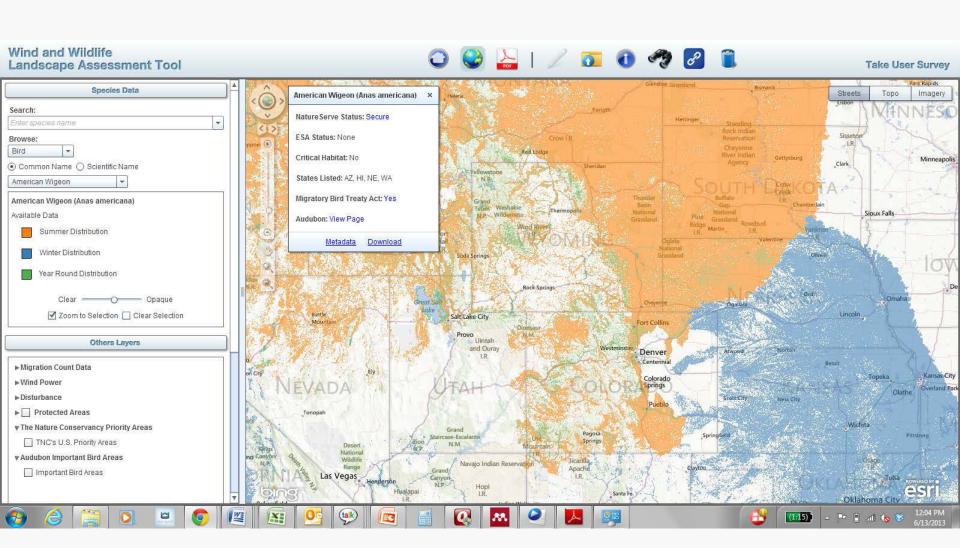
## Landscape Assessment Tool (LAT)

## Preliminary Landscape-Level Screening (Tier 1)



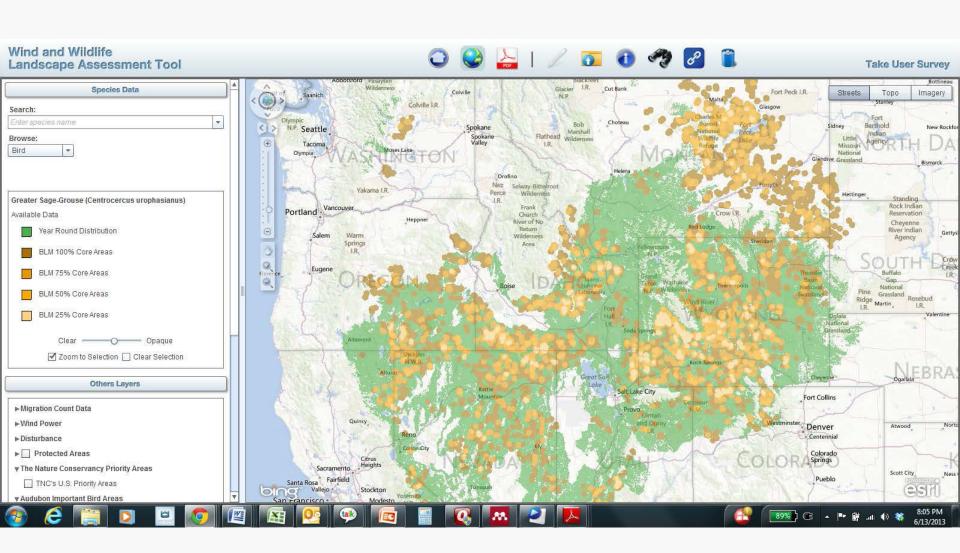


## 1000+ Species Data Layers



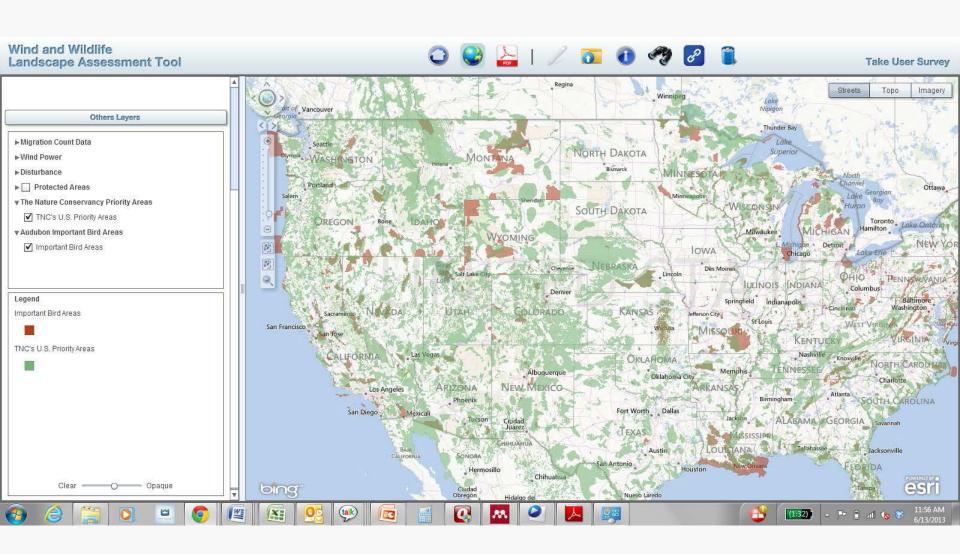


## 1000+ Species Data Layers (cont'd)



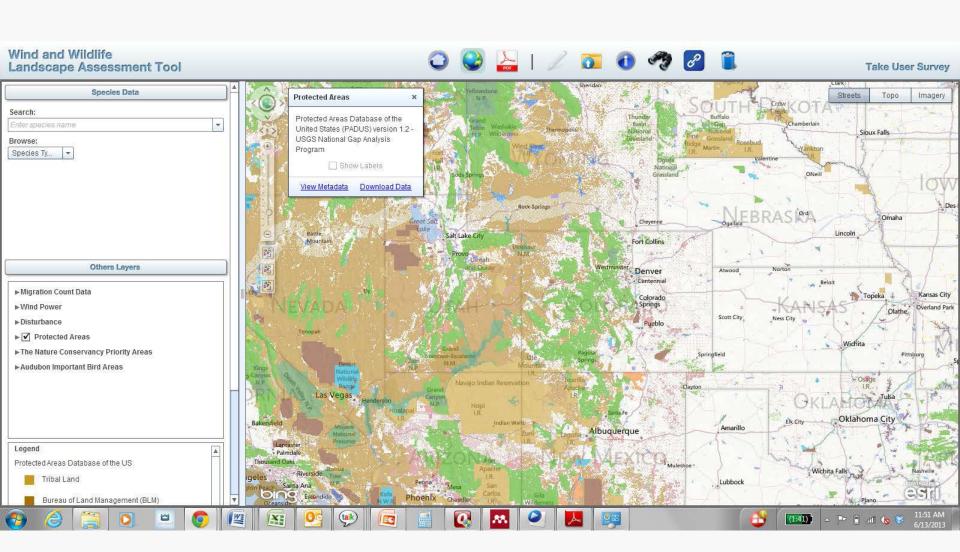


## TNC and Audubon Priority Conservation Areas



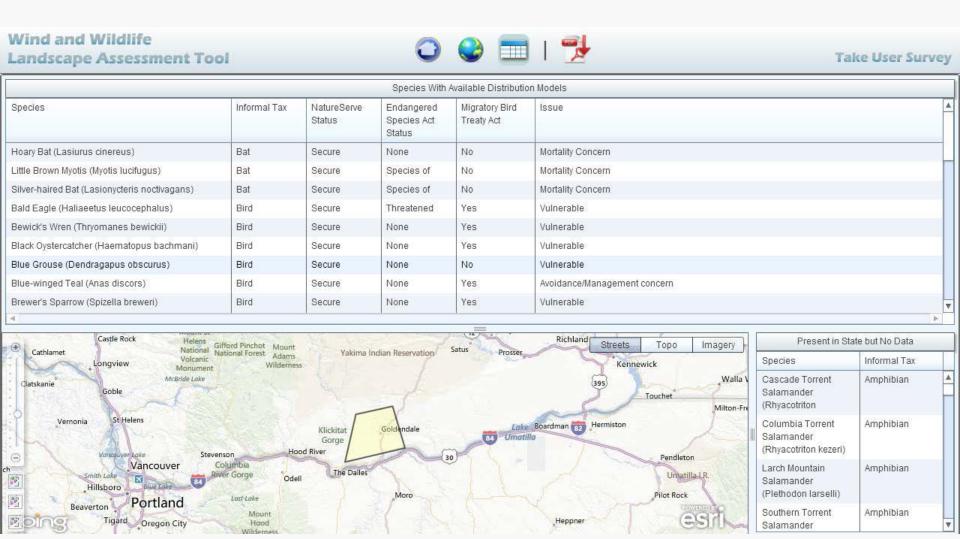


## Protected Areas Database





## Reporting function: Tier 1 & preparation for Tier 2

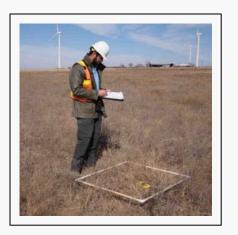




# **American Wind Wildlife Information Center (AWWIC)**





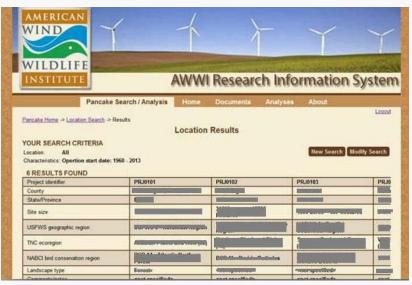




### American Wind Wildlife Information Center

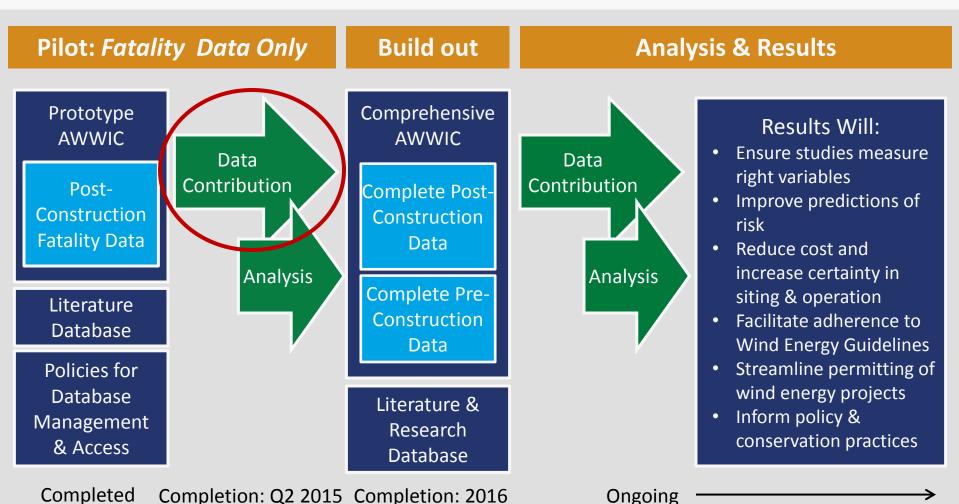
#### Goal:

- Collect and securely house industry wind-wildlife data for scientific analysis
- Increase understanding of wind's energy impacts on wildlife and identify strategies that avoid and minimize those impacts





## Summary: AWWIC Development Strategy





## **AWWIC: Siting and Permitting Applications**

- Serve as secure and confidential repository for risk and impact assessment data
- Support consistent data collection and management protocols as appropriate
- Provide comparable data potentially reducing need for data collection
- Refine pre-construction risk assessment collect the right data
- Recommendations for duration and intensity for post-construction monitoring



#### **Contact AWWI**

#### **Abby Arnold**

Executive Director

• Email: aarnold@awwi.org

Phone: 202-535-7800

#### **Taber Allison, PhD**

 Director of Research and Evaluation

Email: tallison@awwi.org

Phone: 202-330-3191



www.awwi.org