

Wind Turbine Guidelines Advisory Committee  
Landscape/Habitat Subcommittee  
Landscape-Level Mapping Tools

Organization Managing File(s)	Map/Database Title	Available?	Available as GIS layer	Pixel Size	Scale	Regions/States Covered	Fauna/Flora	Habitat types covered	Information not included	Map layers	Source Info	Date of Source	Date of Compilation	How to Access File	Pros/Cons
<b>Existing information</b>															
The Nature Conservancy	Ecoregional Portfolio Sites	Yes, some states. Lower 48 expected by end of 2008		N/A (Polygons)	Varies, and not explicitly stated, but approx 1:100,000.	USA (50 states)	NA (applicable to birds and most other organisms)	Large & intact	Freshwater and marine ecoregional portfolios; biodiversity conservation targets (species and ecosystems) and goals for their conservation.	One	TNC ecoregional assessments conducted by TNC ecologist and outside agency experts.	Varies from mid to late 1990s and 2008.		available at www.nature.org	
The Nature Conservancy	Great Plains Untilled Landscapes	Yes		N/A (Polygons)	Nominal scale 1:280,000	Great Plains Bioregion	NA (applicable to birds and most other organisms)	Large & intact landscapes	Areas were identified as untilled if they did not appear to have been converted from natural vegetation to agricultural, residential/urban, surficial mining, or other uses. Untilled landscapes do include small inclusions of converted areas with varying degrees of impact from non-conversion land use activities, such as grazing, oil extraction, and shrub/tree removal (e.g., chaining). As such, this coverage represents a snapshot in time, circa 1990.	One	Derived from early 1990s Landsat TM Imagery, visually interpreted by one TNC staff person and digitized into GIS data layer	Source images from the early 1990s.	Data created in 2001.		
Natural Heritage Programs	NatureServe	Yes	Yes, but varies			State by state for USA (50 States)	All tracked (ES, rookeries - hibernacula variable)	Endangered plants, natural communities	Common and untracked spp., migratory stop-over spp.		State DNRs, University biological survey, varies and ongoing			Contact host agency, varies by State.	Covers many important features/looking at individual sites, may miss mig stop-over spp., may be missing non-reported information.
Platt/DOE/Local transmission councils	Current and Proposed Transmission	Maybe	Yes/Maybe			Tx (Platt), other states?	NA	All						Information may be available from DOE, local transmission councils, or available for purchase from Platt ( <a href="http://www.platts.com/Maps%20&amp;%20Spatial%20Software/">http://www.platts.com/Maps%20&amp;%20Spatial%20Software/</a> ). Data may be sensitive (homeland security) and have release restricted.	
Unknown	Current and Proposed Wind Farms	Current wind farm info for sale from Industrial info. Information on Proposed Wind Developments is likely to be state by state and involves conversations with all of the possible permitting agencies.						All						existing wind areas <a href="http://industrialinfo.com/">http://industrialinfo.com/</a> ; planned wind developments contact local permitting agencies	
National Atlas	Bat Distributions	Distribution maps available. Requesting info from BCI on sensitive areas maps	No	N/A	Raw data varies. Some of it is specific to a UTM location, specific lat/long or geographic site (like a cave). Other data is specific to county. All raw data is specific at least to the county level. This data can only be released in summary maps (general distribution -- specific only to the county level) and cannot be shared in raw form.	US only, not Mexico	Bats	All	Data represents species records available to us. It is not a census and does not reflect areas where surveys may have been conducted with sufficient effort to infer absence. All available data is not included in this map. Many researchers, private consulting companies, and other entities may have occurrence records that are not included in this map. It is intended for general distribution information only, and it cannot be used to infer if a species absolutely does or does not occur at a given site. You can, however, assume that if the project site is well out of the general range of a species that it does not occur there. For example, you can assume you will not find an Indiana Myotis in Nevada.	N/A	U.S. State Natural Heritage Programs, Canadian Conservation Data Centers, published literature, unpublished reports, museum collections, and personal communications from university, federal, state, and local biologists.	Collected from sources between 2000 and 2003.	Maps were produced in 2003, but they reflect available data from 1900 to current.	Distribution maps at <a href="http://nationalatlas.gov/ml/bat000m.html">http://nationalatlas.gov/ml/bat000m.html</a>	



Wind Turbine Guidelines Advisory Committee  
 Landscape/Habitat Subcommittee  
 Landscape-Level Mapping Tools

<b>Forthcoming:</b>																	
Western Governors Association	Wind-wildlife transmission maps																
Audubon/NRDC	Western resources maps																
North American Grouse Partnership	Prairie grouse habitats	Yes															
Am. Wind & Wildlife Institute	Wind & wildlife resource maps						US states & territ.?										<a href="mailto:jill.griffin@pljv.org">jill.griffin@pljv.org</a>
Playa Lake Joint Venture	Playas	Yes					So. Plains & SW US										
Prairie Pothole Joint Venture	Prairie Pothole habitats	Yes					Portions of ND,SD,MN,MT,IA										
Note: Should there be a collaboration with national atlas? Seems a great resource built around exactly the idea of making maps available to the public.																	