

Species Occurrence Data for the Nation

BISON, <https://bison.usgs.gov>, is a unique, web-based Federal mapping resource for species occurrence data in the United States, its Territories, U.S. Marine Exclusive Economic Zones, and Canada.

The size of the application is unprecedented, including more than 464 million records for most living species found in the United States and encompassing the efforts of more than a million professional and citizen scientists. Most of BISON's species occurrence records are specific locations, not just county or state records.

If you wish to become a BISON data provider and make your data more broadly available through BISON (and optionally GBIF), please email bison@usgs.gov. As an application developed and supported by the Science Analytics and Synthesis Program of the USGS, the BISON project prioritizes acquisition and processing of datasets from USGS Science Centers, other agencies of the Department of the Interior, and other U.S. Federal and State agencies; followed by institutions, organizations, and individual researchers. BISON also seeks datasets with occurrence records specifically for invasive species or for pollinators.

<https://pubs.er.usgs.gov/publication/gip160>

Science Support Framework Category: Applications

Author(s): Annie Simpson (asimpson@usgs.gov), Elizabeth Sellers (esellers@usgs.gov), Elizabeth Martin (elizabeth_martin@usgs.gov) - USGS Science Analytics & Synthesis, EcoScience Synthesis Branch