

**Testimony in Support of FY 2026 Funding for the
Department of the Interior and Smithsonian Institution**

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Submitted by:

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House Committee on Appropriations

Subcommittee on Interior, Environment, and Related Agencies

The Natural Science Collections Alliance appreciates the opportunity to provide testimony in support of fiscal year (FY) 2026 appropriations for the Smithsonian Institution and the Department of the Interior. We encourage Congress to make new investments that address agency backlogs and secure future efforts for the preservation, curation, growth and study of scientific and cultural collections within the Department of the Interior and the Smithsonian Institution. We request that Congress provide the **National Museum of Natural History with at least \$60 million in FY 2026**, with new funding to correct for a lack of adequate increases in recent years. Please provide the **United States Geological Survey (USGS) with at least \$1.85 billion in FY 2026**, with increased support for collections related activities.

The Natural Science Collections Alliance is a non-profit association that supports natural science collections, their human resources, the institutions that house them, and their research activities for the benefit of science and society. Our membership consists of institutions that are part of an international network of museums, botanical gardens, herbaria, universities, and other institutions that contain natural science collections and use them in research, exhibitions, academic and informal science education, and outreach activities.

Scientific collections, and the collections professionals and scientists who make, care for, and study these resources, are an important component of our nation's research infrastructure. These collections and their associated experts contribute to the expansion of our bioeconomy. Whether held at a museum, government managed laboratory or archive, or in a university science department, these scientific resources form a coordinated network of specimens, samples, and data (e.g. genetic, tissue, organism, and environmental) that are a unique and irreplaceable foundation from which scientists are studying and explaining past and present life on earth.

Preservation of specimens and the strategic growth of these collections are in the best interest of science and the best interest of taxpayers. Existing scientific collections that are properly cared for and accessible are a critical component of the US science infrastructure and are readily integrated into new research on significant questions. Specimens that were collected decades or centuries ago are now routinely used in research in diverse fields related to genomics, human health, biodiversity sciences, informatics, environmental quality, and agriculture.

According to the U.S. Interagency Working Group on Scientific Collections (IWGSC), “scientific collections are essential to supporting agency missions and are thus vital to supporting the global research enterprise.” A [2020 report](#) by the IWGSC highlights the long-term benefits of scientific collections and presents a framework for estimating and documenting these benefits, both monetary and non-monetary, generated by federal institutional collections. In 2023, the IWGSC released another [report](#) enumerating the many ways federal scientific collections have served the nation in diverse areas, including with the COVID-19 response and improving national health, climate change research and mitigation, ensuring the nation’s food security, as well as environmental health and safety.

Additional recent reports have highlighted the value of mobilizing biodiversity specimens and data in spurring new scientific discoveries that grow our economy, improve our public health and wellbeing, and increase our national security. In 2019, the Biodiversity Collections Network issued a community-informed call for the development of an Extended Specimen Network. The report, [Extending U.S. Biodiversity Collections to Promote Research and Education](#), outlined a national agenda that leverages digital data in biodiversity collections for new uses. “Science and industry rely on physical specimens housed in U.S. biodiversity collections,” the report suggests. “Rapid advances in data generation and analysis have transformed understanding of biodiversity collections from singular physical specimens, to dynamic suites of interconnected resources enriched through study over time. The concept of the 'extended specimen' conveys the current perspective of the biodiversity specimen as extending beyond the singular physical object, to potentially limitless additional physical preparations and digital resources.” This endeavor requires robust investments in our nation’s scientific collections, whether they are owned by a federal or state agency or are part of an educational institution or free-standing natural history museum or other types of research or educational centers.

A [2020 report](#) by the National Academies of Science, Engineering and Medicine (NASEM), *Biological Collections: Ensuring Critical Research and Education for the 21st Century*, argued that collections are a critical part of our nation’s science and innovation infrastructure and a fundamental resource for understanding the natural world. The report’s recommendations for establishing an action center for biological collections and requiring specimen management plans for research proposals generating new specimens underscore the importance of biodiversity specimen collections and have been supported by the CHIPS and Science Act of 2022.

A white paper published in 2024, [“Envisioning a Natural History Collections Action Center,”](#) summarizes the features and functions of an action center and underscores the essential role that collections play in medical science, human health, food security, pathogen-borne disease, biosecurity, a strong bioeconomy, mitigating the effects of climate change, and conserving ecological services for human use and subsistence. Such a center will provide leadership, support, and coordination for federal, non-federal, and private collections and enable transformative research to address grand societal challenges. Many federal agencies have a role in supporting the establishment of an action center for biological collections, including the Smithsonian Institution and the Department of the Interior and its bureaus.

All of the above reports articulate a common vision of the future of biological collections and emphasize the need to broaden and deepen these collections and associated data to realize the potential for biodiversity collections to inform 21st century science. Collections are a critical resource for advancing the knowledge needed to address current global challenges such as climate change, biodiversity loss, and pandemics. The COVID-19 crisis has demonstrated how humans are inextricably part of the natural world. Biological collections, their extended data, and the experts that build and study them are globally important for understanding where viruses such as SARS-CoV-2 exist in nature or when they cross from their current hosts to humans.

The Smithsonian Institution's National Museum of Natural History (NMNH) is the central federal partner in the curation and research on scientific specimens. Scientists at the NMNH care for 148 million specimens and ensure that the institution remains a global leader in scientific research and public engagement. To increase the availability of these scientific resources to researchers, educators, other federal agencies, and the public, NMNH is working on a multi-year effort to digitize its collections. Funding is required to ensure this work is completed.

The NMNH is also working to strengthen curatorial and research staffing and to backfill positions left open by retirements and budget constraints. The current staffing level is insufficient to provide optimal care for the collections. Future curatorial and collections management staffing levels may be further jeopardized given insufficient funding increases in recent years. This lack of funding for collections care jeopardizes our bioeconomy at a time when critical investments are needed to leverage our network of collections to address the myriad issues facing the country.

Interior is an important caretaker of museum collections as well; the Department and its bureaus collectively manage an estimated 206 million museum specimens. Although many of the department's collections are located in bureau facilities, numerous artifacts and specimens are cared for in non-governmental facilities, such as museums and universities. The Interior Museum Program supports these collections by providing oversight, policy development, advocacy, technical assistance, training, and data management support.

In addition, the USGS furthers the preservation, inventory, and digitization of geological scientific collections, such as rock and ice cores, fossils, and samples of oil, gas, and water. The National Geological and Geophysical Data Preservation program helps states with collections management, improves accessibility of collections data, and expands digitization of specimens to ensure their broader use. One example of the returns from this program is the potash mineral deposit discovered in Michigan that is valued at an estimated \$65 billion. Rock samples from Michigan were entered into a national database, where private companies discovered the deposit's existence and potential for mining.

USGS supports the documentation and conservation of native pollinators through its Bee Lab at the Eastern Ecological Science Center. Pollinators, such as bees, are critical components of ecosystems and play an integral role in wildlife and habitat management and restoration. Three-fourths of the world's flowering plants and about 35 percent of the world's food crops rely on pollinators to reproduce. Given that pollinator populations are in decline globally, the Bee Lab's work in developing a nationwide method to inventory and monitor bee population trends on public lands is crucial.

USGS housed over a million bird, mammal, amphibian, and reptile specimens at the Smithsonian's National Museum of Natural History. The Biological Survey Unit (BSU), consisting of USGS scientists stationed at NMNH, used these specimens for research that informed land and natural resource management decisions for the Department of the Interior, as well as State and Tribal governments. This arrangement, dating back to 1889, recently ended with the Smithsonian taking over the collections. Adequate funding is needed to maintain the care of these valuable specimens.

The Bureau of Land Management manages nearly 4 million museum objects and archives and has a large backlog of cultural resources to inventory on public lands. Currently, only about 11 percent of public lands have been assessed for heritage resources. Such assessments need to be conducted before unique resources are lost to looting, vandalism, fire, or environmental change.

The National Park Service must continue its investments in scientific collections in order to monitor the nation's protected natural heritage, which means cataloging millions of museum objects and connecting the resulting databases to national and global data portals to monitor changes through time. The National Park Service curates a wide range of specimens and artifacts, from historical and cultural items to preserved tissues from protected species and living microorganisms collected in our National Parks. Several parks have made progress on addressing planning, environmental, storage, security, and fire protection deficiencies in museum collections, but much work remains, and present and future collections will be fundamental for effective management efforts.

Conclusion

Scientific collections are critical research infrastructure that help support the nation's bioeconomy. Research specimens connect us to the past, help address current problems, and enable us to predict and prepare for future threats to health, food security, and the environment. Shrinking budgets and workforce for agencies that provide critical support for scientific collections will strain our ability to address national challenges and remain a global leader in scientific discovery and innovation. We strongly urge Congress to prioritize sustained, robust investments in scientific collections – a truly irreplaceable resource.

The budget for NMNH has not seen adequate increases in recent years. We urge Congress to provide NMNH with at least \$60 million in FY 2026 to allow the museum to undertake critical collections care, make needed technology upgrades, and conduct cutting edge research. Please support adequate funding for programs within Interior bureaus that support the preservation and use of scientific collections. We urge Congress to provide the USGS with at least \$1.85 billion in FY 2026, with increased support for collections.

Thank you for your thoughtful consideration of this request.