

Biodiversity Audit Market Forecasts to 2032 – Global Analysis By Type (Baseline Biodiversity Audits, Impact Assessment Audits , Monitoring & Compliance Audits, Restoration & Offset Audits and Other Types), Service Type, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Biodiversity Audit Market is accounted for \$330.9 million in 2025 and is expected to reach \$940.8 million by 2032 growing at a CAGR of 16.1% during the forecast period. Biodiversity audit is a systematic evaluation of the variety and abundance of species within a defined area, aimed at assessing ecological health and conservation priorities. It involves cataloging flora, fauna, and habitats to identify changes, threats, and opportunities for restoration. Typically conducted by environmental professionals, such audits support compliance with sustainability regulations, inform land-use planning, and guide biodiversity management strategies. The process ensures informed decision-making by providing baseline data and tracking progress over time in preserving biological diversity.

According to Journal of Industrial Ecology Using a firm-specific biodiversity risk measure based on textual analyses of 10-K statements, researchers found a positive association between biodiversity risk exposure and audit fees, indicating that firms with higher biodiversity-related risks tend to incur greater audit costs.

Market Dynamics:

Driver:

Rising global mandates like the EU Biodiversity Strategy and Taskforce on Nature-related Financial Disclosures (TNFD)

The biodiversity audit market is being propelled by stringent global mandates such as the EU Biodiversity Strategy and the Taskforce on Nature-related Financial Disclosures (TNFD). These frameworks compel organizations to assess and disclose biodiversity-related risks, making audits a compliance necessity. Additionally, biodiversity metrics are becoming integral to ESG reporting, prompting corporations to adopt structured audit protocols. This shift is especially evident in sectors with high ecological footprints, where biodiversity audits are used to inform sustainable land use, supply chain resilience, and stakeholder transparency.

Restraint:

Absence of unified audit protocols and biodiversity metrics

Despite growing interest, the market faces challenges due to the absence of standardized audit methodologies and biodiversity indicators. This lack of uniformity complicates benchmarking and cross-sector comparisons. Moreover, biodiversity audits often require multidisciplinary expertise, field surveys, and advanced data modeling, which can be cost-prohibitive for small and mid-sized enterprises. The complexity of ecological data collection and interpretation further limits scalability, especially in regions with limited access to biodiversity specialists and digital infrastructure.

Opportunity:

Growth potential in sectors like infrastructure, tourism, and finance

Technological innovations particularly in AI, remote sensing, and eDNA-based monitoring are revolutionizing biodiversity assessments by improving accuracy and reducing operational costs. These tools enable real-time habitat mapping and species tracking, making audits more accessible and actionable. Additionally, voluntary corporate commitments to nature-positive strategies are driving adoption beyond regulatory requirements, especially among ESG-conscious investors and global brands.

Threat:

Incomplete species data and habitat mapping

Inaccurate assessments can lead to flawed conservation strategies and expose companies to reputational damage. Furthermore, superficial audits lacking ecological

rigor may be perceived as greenwashing, undermining stakeholder trust. Political instability and fluctuating environmental policies in certain regions also pose risks to long-term biodiversity initiatives, potentially stalling audit adoption and funding.

Covid-19 Impact:

The COVID-19 pandemic had a dual impact on the biodiversity audit market. While field-based ecological surveys were temporarily disrupted due to lockdowns and travel restrictions, the crisis also heightened awareness of ecosystem health and zoonotic risks. This led to increased interest in biodiversity monitoring as part of corporate risk management and sustainability planning. Remote sensing and digital audit tools gained traction during this period, enabling continued assessments despite physical constraints and accelerating the shift toward tech-enabled biodiversity solutions.

The impact assessment audits segment is expected to be the largest during the forecast period

The impact assessment audits segment is expected to account for the largest market share during the forecast period owing to their indispensable role in regulatory compliance and ecological risk evaluation. These audits are mandated across infrastructure, mining, and industrial projects to assess potential impacts on local ecosystems before development begins. They serve as a foundational tool for environmental clearance, helping stakeholders identify mitigation strategies and align with conservation goals.

The eDNA & genetic monitoring services segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the eDNA & genetic monitoring services segment is predicted to witness the highest growth rate driven by their ability to detect species presence through environmental DNA traces without requiring physical sightings or invasive sampling. These advanced techniques offer high sensitivity and specificity, enabling rapid biodiversity assessments even in remote or sensitive habitats. Their application is expanding across conservation biology, ecological restoration, and forensic environmental investigations.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest

market share supported by a mature regulatory landscape and strong institutional capacity for ecological research. The region benefits from well-established frameworks such as the Endangered Species Act and the National Environmental Policy Act, which mandate biodiversity assessments for various development activities. Additionally, the integration of biodiversity metrics into corporate ESG disclosures is accelerating audit adoption across industries.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR propelled by escalating biodiversity threats and increasing governmental focus on ecological sustainability. Rapid urbanization, deforestation, and industrial expansion in countries like India, China, and Indonesia have intensified the need for biodiversity audits to mitigate environmental degradation. Regional governments are investing in restoration programs and biodiversity mapping initiatives, while international funding and partnerships are supporting capacity-building efforts.

Key players in the market

Some of the key players in Biodiversity Audit Market include The Biodiversity Consultancy Ltd, NatureMetrics, EcoMetrix Solutions Group, Earthwatch Institute, IBAT Alliance, ERM (Environmental Resources Management), IUCN (International Union for Conservation of Nature), Fauna & Flora International, Global Biodiversity Information Facility (GBIF), Wildlife Conservation Society (WCS), WWF Biodiversity Risk Filter, Biodiversify Ltd, EcoAct (an Atos company), Biotope, South Pole, Nature Positive, and Conservation International.

Key Developments:

In September 2025, NatureMetrics launched new AI-powered tool to help global corporations assess nature risk across entire site portfolios". The company released "Portfolio Assessment", a first-of-its-kind dashboard feature enabling enterprises to monitor biodiversity risk across all their sites.

In July 2025, The IBAT Alliance announced that its 2024 investment in biodiversity data reached USD 2.5 million (up from USD 1.2 million in 2023). This funding supports critical global datasets: the World Database on Protected Areas, IUCN Red List, and the World Database of Key Biodiversity Areas.

In January 2025, NatureMetrics announced a successful Series B raise of US \$25 million to scale its biodiversity intelligence platform, leveraging eDNA and AI technologies. The investment round was led by Just Climate, EDF Pulse Ventures and the ReOcean Fund, with existing backers participating.

Types Covered:

Baseline Biodiversity Audits

Impact Assessment Audits

Monitoring & Compliance Audits

Restoration & Offset Audits

Other Types

Service Types Covered:

Ecological Impact Assessments (EIA)

Biodiversity Footprinting & Natural Capital Accounting

Habitat Restoration & Offset Design

Monitoring, Reporting & Adaptive Management

eDNA & Genetic Monitoring Services

Remote Sensing & GIS mapping

Species-Specific Surveys

Other Service Types

End Users Covered:

Energy & Mining

Agriculture & Forestry

Construction & Infrastructure

Manufacturing

Consumer Goods

Financial Services

Government & NGOs

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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