



LITTLE BLUE RESEARCH CASE STUDY

Valuation of the impact of deep sea mining

Client: Management consulting firm

Client size: Mid-size

Little Blue Research conducted research to value the environmental impacts associated with deep sea mining for a management consulting firm.

Service: Impact & dependency

Capital: NATURAL

Assessment location: Global

LITTLE BLUE RESEARCH LTD

+44 (0) 7887 633 345 | info@littleblueresearch.com | www.littleblueresearch.com



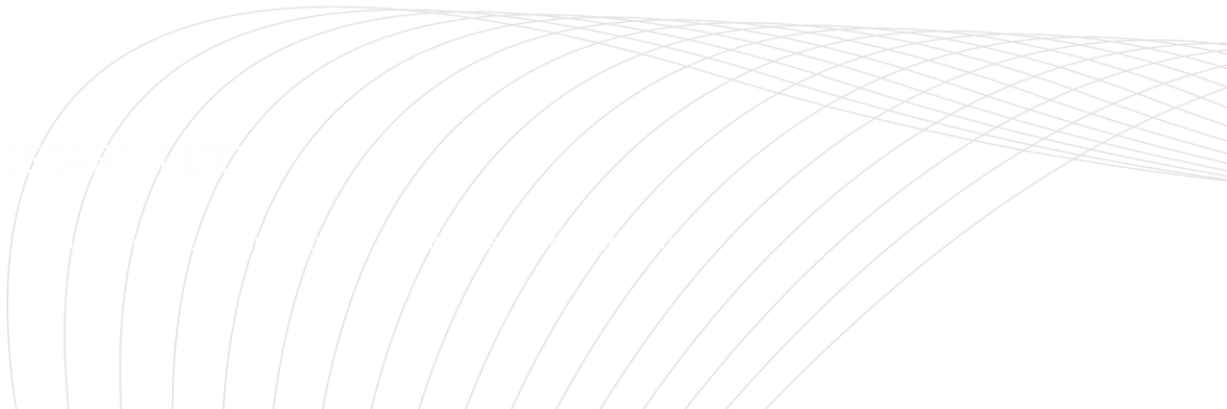
Case study details

Client need

The client required technical support to develop a database of relevant environmental economic values for six impacts associated with deep sea mining compared to land-based mining including biodiversity, forestry, water, displaced fishing, agriculture, and tourism. The client also wanted to understand the limitations associated with different sources of information. The work was conducted within a tight time frame to fit within the timings of a broader project.

The challenge

- Finding relevant environmental economic valuation literature across the six impact topics and specifically for issues related to deep sea mining.
- Identifying relevant spatial data for fishing areas within the different geographic areas selected for analysis.
- Developing assumptions as to how deep sea mining impacts could be measured and compared against environmental impacts associated with terrestrial mining.





Outputs and results



A valuation database was provided to the client, across specific geographies relating to the following environmental impact topics:

- Forest ecosystem services
- Marine ecosystem services
- Biodiversity
- Water
- Fisheries
- Agriculture
- Tourism.



The database included: descriptions of the type(s) of value measured, valuation methods, and comments on the assumptions & limitations associated with different approaches.

What happened next

The outputs of Little Blue Research's research contributed to a larger client project assessing potential impacts of deep sea mining from meeting future demand for different metals. This was part of a wider NGO research project.



LITTLE BLUE RESEARCH LTD

+44 (0) 7887 633 345 | info@littleblueresearch.com | www.littleblueresearch.com