




proteus

## Introduction to IBAT

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**BHP**

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A close-up photograph of a frog, likely a tree frog, swimming in clear blue water. The frog's head is in the foreground, showing its large, prominent eyes and a small, slightly open mouth. The frog's body is dark and textured, with some lighter patches. The background is a soft, out-of-focus blue-green gradient.

# Introduction to the Integrated Biodiversity Assessment Tool (IBAT)

# WHAT IS IBAT?

- A web-based map & reporting tool that provides fast, easy & integrated access to critical biodiversity information.
- An alliance between:
  - CONSERVATION INTERNATIONAL 
  - IUCN 
  - BirdLife INTERNATIONAL 
  - Partnership for nature and people 
- The source of the most globally authoritative biodiversity data:
  - The World Database on Protected Areas (WDPA)
  - The World Database of Key Biodiversity Areas
  - The IUCN Red List of Threatened Species
  - Species Threat Abatement and Restoration (STAR)
- A link between the private sector and biodiversity conservation.



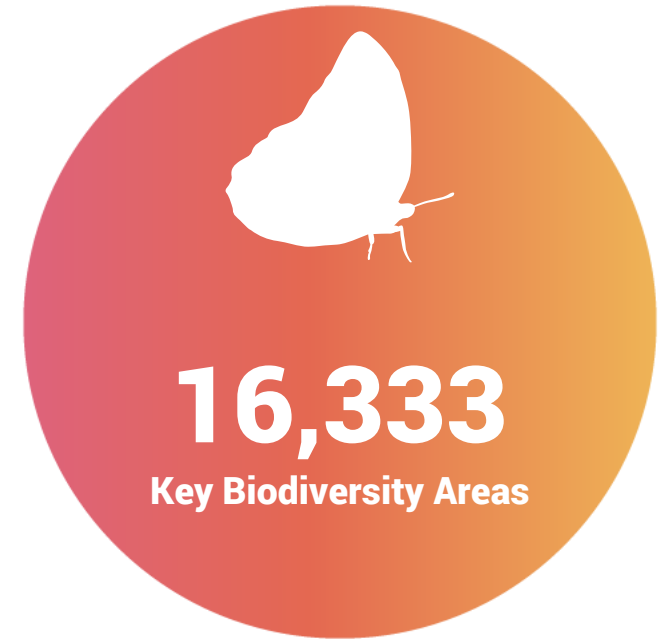
# IBAT DATASETS



Updated monthly



Updated 3 times a year



Updated 3 times a year

\* IBAT is the only place where each of these datasets is available for commercial users

# KEY FEATURES OF IBAT

## Features

- Ability to draw polylines and polygons
- Upload multiple sites (csv, shp, KMZ, KML)
- Download data per specified area
- Create portfolio of 'Projects' (sites)
- Site page giving overview of a site
- Multiple report types: Proximity, IFC PS6/World Bank ESS6, Freshwater, Multi-site
- Ability to view all data in the IBAT map

## Real-time updates

- Protected Areas
- Key Biodiversity Areas
- Red List of Species data
- Species Threat Abatement and Restoration (STAR)

## Committed to continuous improvement and user support

- Fully maintained
- Scientifically robust
- Committed to innovation and new functionality

# IBAT REPORTS

## Proximity Reports

- High-level early stage biodiversity risk screening for a single site.
- Buffers from 1 to 50 km.
- Assess for overlap with:
  - Protected Areas.
  - Key Biodiversity Areas.
  - IUCN Red List species.

### Create Report

**Select Report Type**

Freshwater Multi-site **Proximity**

PS6 & ESS6

**Select Project**  
Please select an option

**Select Buffers (km)**  
Hold down Ctrl or ⌘ to select up to 3 buffers.  
Please select between 1 and 3 options

1  
2  
3  
4  
5

**Create** **Cancel**

Require further information on the reports IBAT offers? Head over to our [examples page](#) for a detailed explanation of each report and a downloadable example.



## Integrated Biodiversity Assessment Tool PROXIMITY REPORT TRAINING\_TEST\_1

**Country:** Mozambique  
**Location:** [-25.9, 32.6]  
**Date of analysis:** 11 January 2022 (GMT)  
**Buffers applied:** 1 km | 10 km | 50 km  
**IUCN Red List Biomes:** Marine, Freshwater, Terrestrial  
**Generated by:** Aime Rankin  
**Organisation:** UNEP-WCMC

### Overlaps with:

Protected Areas	5
Key Biodiversity Areas	6
IUCN Red List	137



Displaying project location and buffers: 1 km, 10 km, 50 km

# IBAT REPORTS

## Freshwater

- High-level early stage biodiversity risk screening for a single site with potential to impact freshwater ecosystems.
- Upstream and downstream buffers.
- Point features only.

Create Report

Select Report Type

Freshwater Multi-site Proximity

PS6 & ESS6

Select Project

Please select a project that has a point geometry. A freshwater report cannot be generated for polylines or polygons.

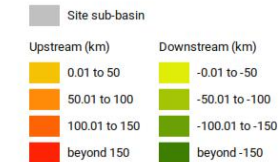
Define the upstream and downstream range for the report below.

Upstream (KM)		Downstream (KM)	
Zone	Distance	Zone	Distance
1	50	1	50
2	100	2	100
3	150	3	150
4	Beyond Zone 3	4	Beyond Zone 3

Create Cancel

IBAT

Upstream beyond 150



# IBAT REPORTS

## World Bank Group Risk Reports

- High-level early stage biodiversity risk screening for a single site with specific reference to PSS6 and ESS6.
- Assesses Critical habitat likelihood.
- Buffers pre-defined at 10 and 50 km.

Create Report

Select Report Type

Freshwater Multi-site Proximity

PS6 & ESS6

Select Project

Please select an option

Create Cancel

Require further information on the reports IBAT offers? Head over to our [examples page](#) for a detailed explanation of each report and a downloadable example.



## Integrated Biodiversity Assessment Tool World Bank Group Biodiversity Risk Screen

### TRAINING\_TEST\_1

- Country: Mozambique
- Location: [-25.9, 32.6]
- IUCN Red List Biomes: Marine, Freshwater, Terrestrial
- Created by: Aime Rankin

#### Overlaps with:

Protected Areas	1 km: 0	10 km: 1	50 km: 4	5
World Heritage (WH)	1 km: 0	10 km: 0	50 km: 0	0
Key Biodiversity Areas	1 km: 0	10 km: 1	50 km: 5	6
Alliance for Zero Extinction (AZE)	1 km: 0	10 km: 0	50 km: 1	1
IUCN Red List				64
Critical Habitat				Likely



Displaying project location and buffers: 1 km, 10 km, 50 km



This report is based on IFC Performance Standard 6 (PS6) but applies to World Bank Environmental and Social Standard 6 (ESS6)

# IBAT REPORTS



## Multi Site

- IBAT Multi-site reports designed to help companies reporting for GRI/ SASB, and certification schemes .
- GRI Disclosure 304-1 Identify operational sites owned, leased, managed in, or adjacent to, **protected areas** and areas of high biodiversity value outside protected areas (aka **Key Biodiversity Areas**)
- GRI Disclosure 304-4 Identify presence of **IUCN Red List** species and national conservation list species with habitats in areas affected by operations.

### Overlap with protected areas and Key Biodiversity Areas (KBAs)

The following table shows the number of protected areas and KBAs overlapped by a 50.0 km buffer for each operational site where an overlap occurs.

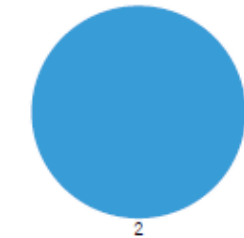
Site	Area (km <sup>2</sup> )	Protected Areas	KBAs
Training_test_1	0	5	6
Training_test_2	0	173	20

### % Summary of protected areas overlap



- 2 (100.00% of sites) are within 50.0 km of a protected area.
- 0 (0.00% of sites) are not within 50.0 km of a protected area.

### % Summary of KBAs overlap



- 2 (100.00% of sites) are within 50.0 km of a Key Biodiversity Area.
- 0 (0.00% of sites) are not within 50.0 km of a Key Biodiversity Area.

Site	Parent	Site Name	Site Type	Site ID	Site Description	Site Area (km <sup>2</sup> )	Site Status	Site Category	Site Date	Site Type	Site ID	Site Description	Site Area (km <sup>2</sup> )	Site Status	Site Category	Site Date
1	IBAT	Training Test 1	Site of Special Scientific Interest (UK)	100001	Site of Special Scientific Interest (UK)	0	Not Applicable	Not Applicable	2023	Site of Special Scientific Interest (UK)	100001	Site of Special Scientific Interest (UK)	0	Not Applicable	Not Applicable	2023
2	IBAT	Training Test 2	Site of Special Scientific Interest (UK)	100002	Site of Special Scientific Interest (UK)	0	Not Applicable	Not Applicable	2023	Site of Special Scientific Interest (UK)	100002	Site of Special Scientific Interest (UK)	0	Not Applicable	Not Applicable	2023

# SPECIES THREAT ABATEMENT AND RESTORATION METRIC (STAR)

IBAT

**Integrated Biodiversity Assessment Tool**  
**SPECIES THREAT ABATEMENT AND RESTORATION REPORT**  
**SUMATRA STAR POLYGON**

**1.1 Summary**

Country: Indonesia  
 Location: [3.6, 98.3]  
 Date of analysis: 17 June 2021 (GMT)  
 Size of site: 1166 km<sup>2</sup>  
 Generated by: Ben Jobson  
 Organisation: IBAT  
 Total STAR Threat Abatement score (centiSTAR unit): 2,086.82  
 Total STAR Restoration score (centiSTAR unit): 1,263.06  
 Mean STAR Threat Abatement score (centiSTAR unit): 44.4  
 Mean STAR Restoration score (centiSTAR unit): 26.87

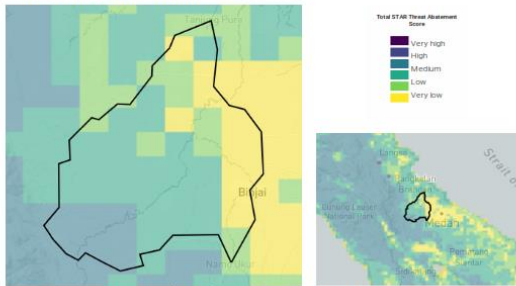
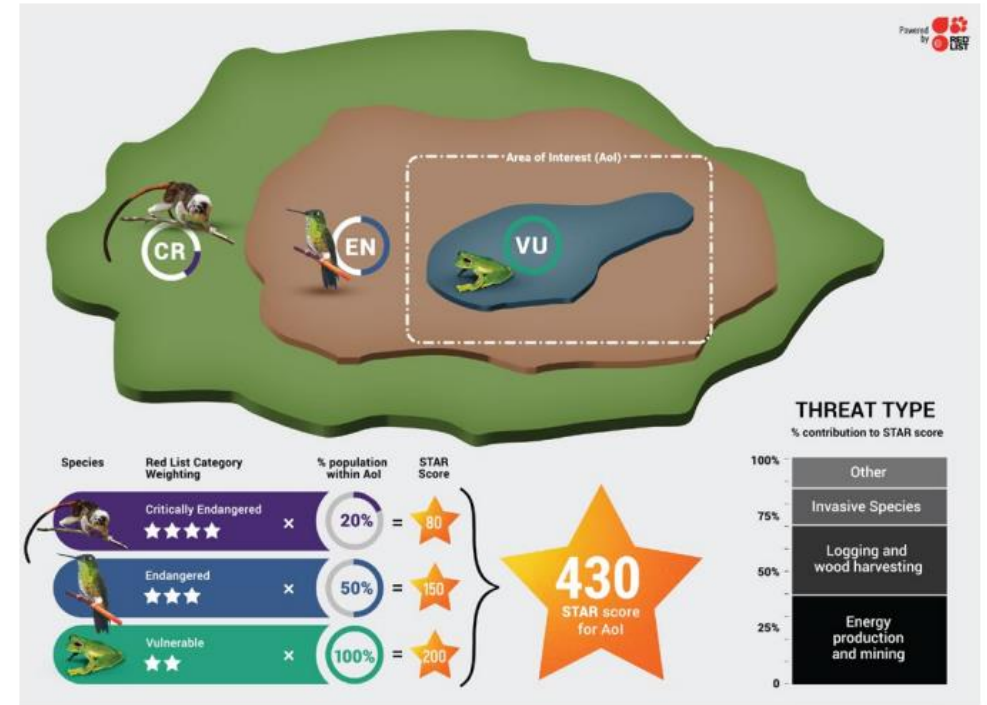
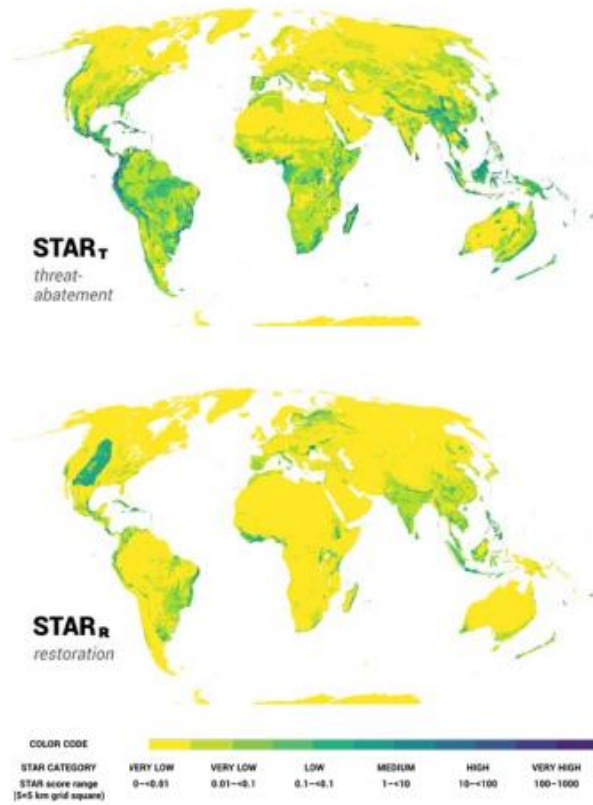


Figure 1: STAR Threat Abatement map for Area of Interest. Grid cell score categories range from Very Low to Very High. Note that low scores do not mean that there are no threatened species present. Grid cells are at a 5 km resolution.





Thank You

**UN**   
**environment  
programme**

**WCMC**