

Promoting avoidance for conservation gains

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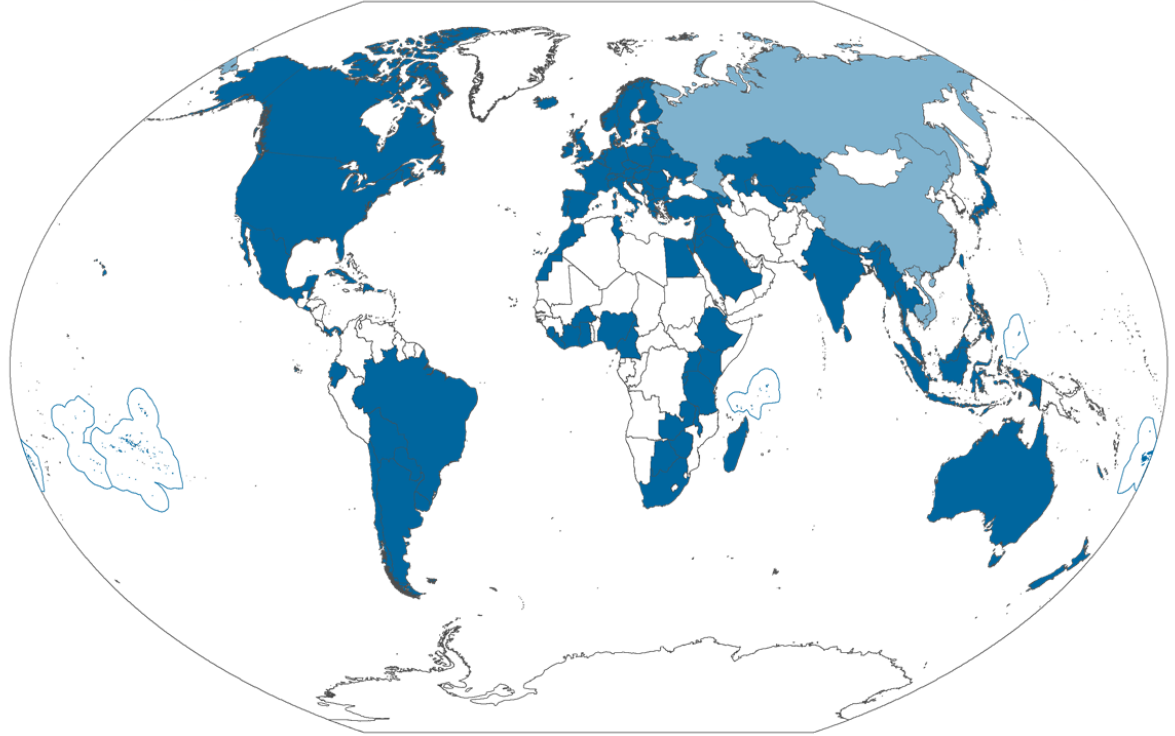


Partnership for
nature and **people**

Cambridge Conservation Initiative
transforming the landscape of biodiversity conservation



BirdLife International



120

Partners

7,400

staff

3

million
members

11

million
supporters

4

Million hectare
of reserve

Background

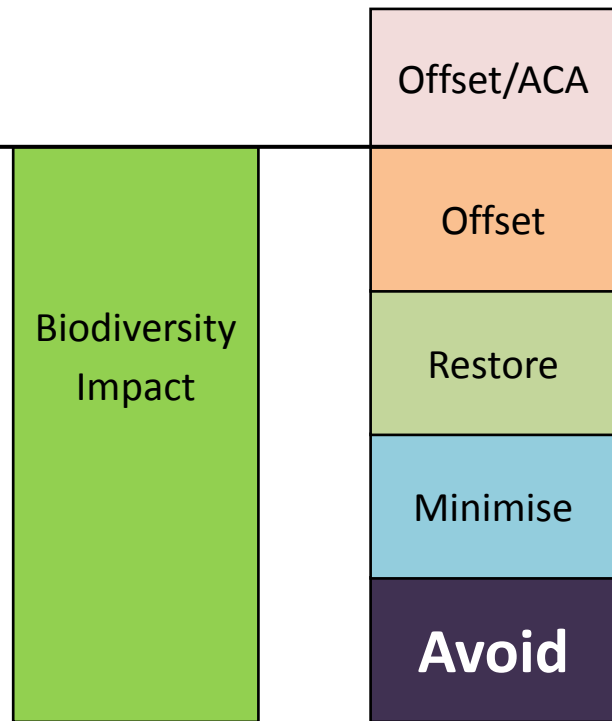


Mitigation Hierarchy

Positive

Net Impact

Negative



Net Positive Impact

No Net Loss

Offset/ACA

Offset

Restore

Minimise

Avoid

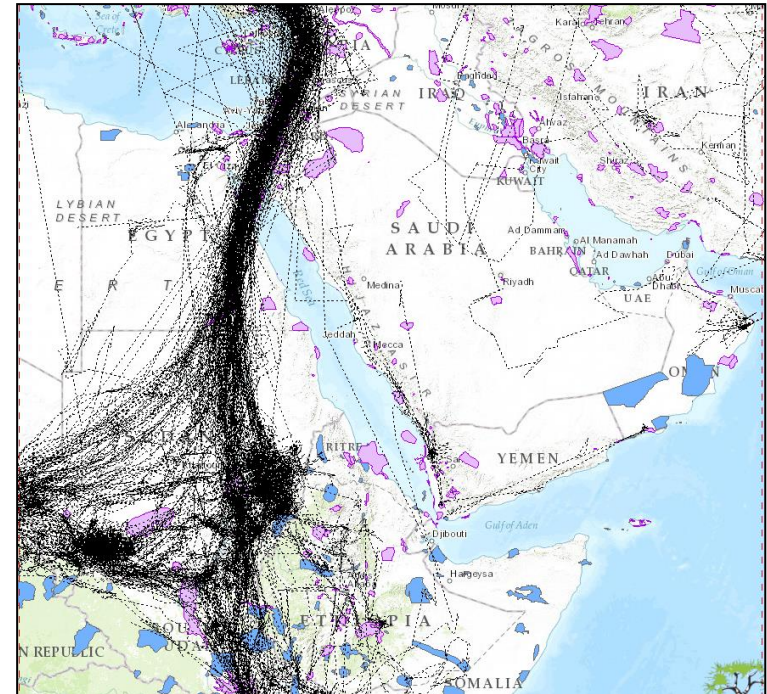
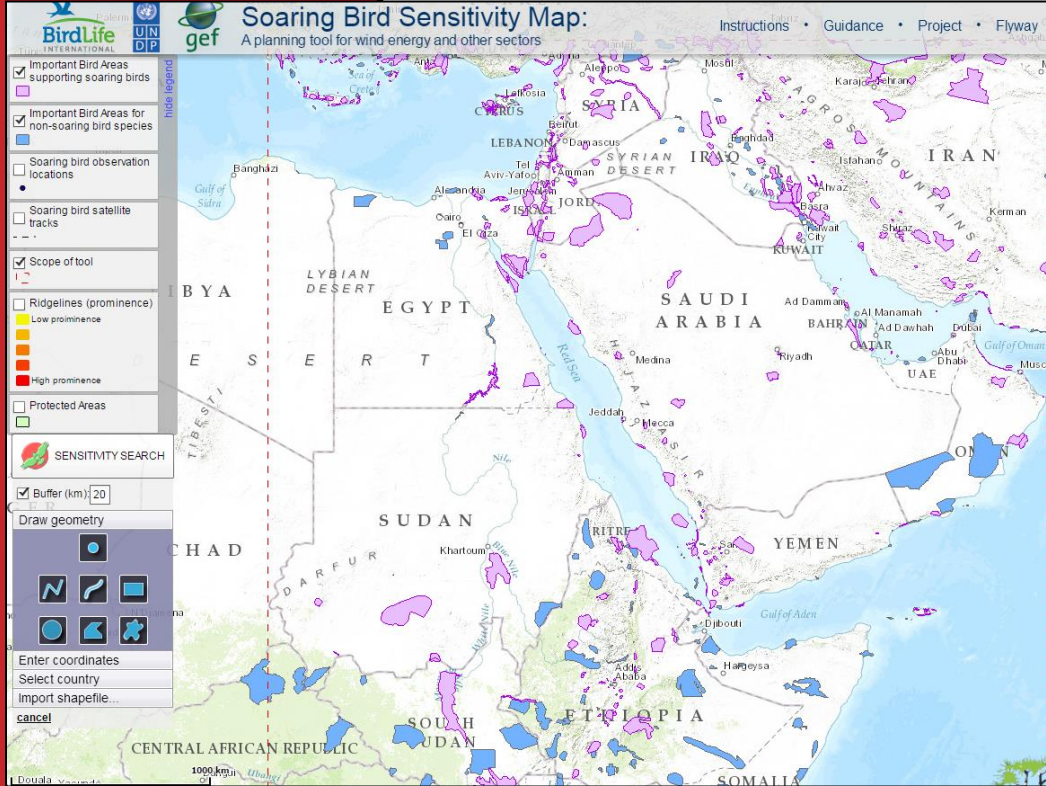
Biodiversity Impact



Outline

- Spatial avoidance
- Temporal avoidance
- Design avoidance
- Conclusions

Migratory Soaring Bird Sensitivity Mapping Tool





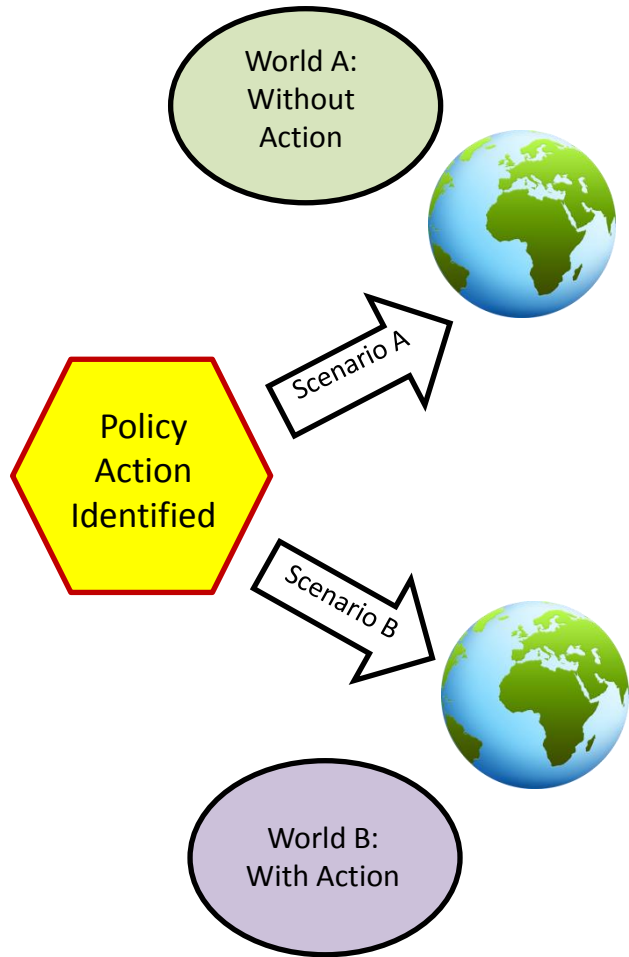
Toolkit for Ecosystem Services Site-based Assessment (TESSA)

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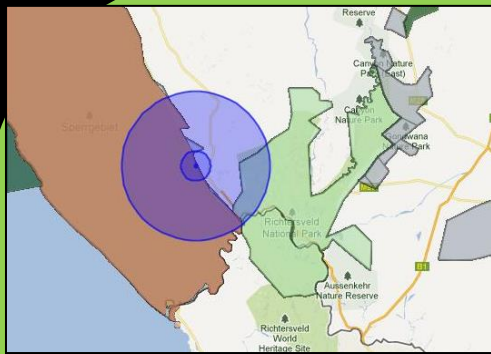
Version.1.1

TESSA has been developed by the following organisations:

With additional financial support from:



Integrated Biodiversity Assessment Tool



The IUCN Red List of Threatened Species™ 2012.2

Home | About | Initiatives | News | Photos | Partners | Sponsors | Resources

Enter Red List search keyword

Home * Breviceps macrops | Classification Scheme | Images & External Links | Bibliography | Full Access

Breviceps macrops

VIEW MAP

Summary | Classification Scheme | Images & External Links | Bibliography | Full Access

Taxonomy (log)

| | | | | | | | | | |
|----------|----------|---------|----------|--------|----------|--------|-----------|---------|------------|
| Kingdom: | Animalia | Phylum: | Chordata | Class: | Mammalia | Order: | Carnivora | Family: | Imperiidae |
|----------|----------|---------|----------|--------|----------|--------|-----------|---------|------------|

Scientific Name: *Breviceps macrops*

Species Authority: Blanford, 1907

Common Name: Desert Rain Frog

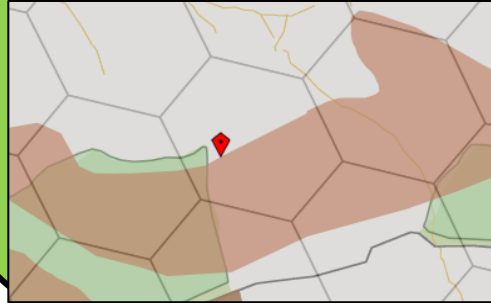
Assessment Information (log)

Red List Category & Criteria: Vulnerable (2.3.1)

Year Published: 2004

Assessor(s): Leslie Miller, Alan Channing, James Harrison

Reviewer(s): Global Amphibian Assessment Coordinating Team (Simon Stuart, Janice Chanson and Neil Croft)



Home | Map | Country | IBAT & Conservation | Data Behind IBAT | Downloads | Contribute

Base Layers

- Google Standard Map
- Google Terrain Map
- Google Satellite Map

Legally Protected Areas

- IUCN Category I-II
- IUCN Category III-IV
- IUCN Category V-VI
- IUCN Category not reported

Internationally Recognised Areas

- World Heritage
- Ramsar
- Natura 2000
- International Other

Priority Sites for Biodiversity

- Key Biodiversity Areas
- Alliance for Zero Extinction Sites

Species Completeness

- Species Grid
- KBA Completeness

Regions of Conservation Importance

- Endemic Bird Areas
- Biodiversity Hotspots
- High Biodiversity Wilderness Areas

| | |
|--|-------------------------|
| Legally Protected Areas | |
| IUCN Category Ib | Mufindi Scarp |
| Priority Sites for Biodiversity | |
| Key Biodiversity Areas | Udzungwa Mountain Range |
| Alliance for Zero Extinction Sites | Udzungwa Mountain Range |



Partnership for nature and people



Biodiversity Risk and Opportunities Assessment (BROA)



ASSESSING BIODIVERSITY RISKS AND
OPPORTUNITIES IN AGRICULTURAL LANDSCAPES

BIODIVERSITY RISK AND OPPORTUNITY ASSESSMENT (BROA)

This BROA tool helps users to capture the evidence from their assessment, and to identify, assess and prioritise biodiversity risks and opportunities in a systematic way. The output of the tool is a set of prioritised risks and opportunities with defined Action and Monitoring Plans.

This tool should be used in a stepped approach working through the tables in the order below:

Help is embedded within the worksheets - (Hover over cells with a red corner or follow help links)
Extra information is available here:

1. **Mandatory Risk Filter**

Risk Causes

2a. **Risk Working Table**

Opportunity Guidelines

2b. **Opportunity Working Table**

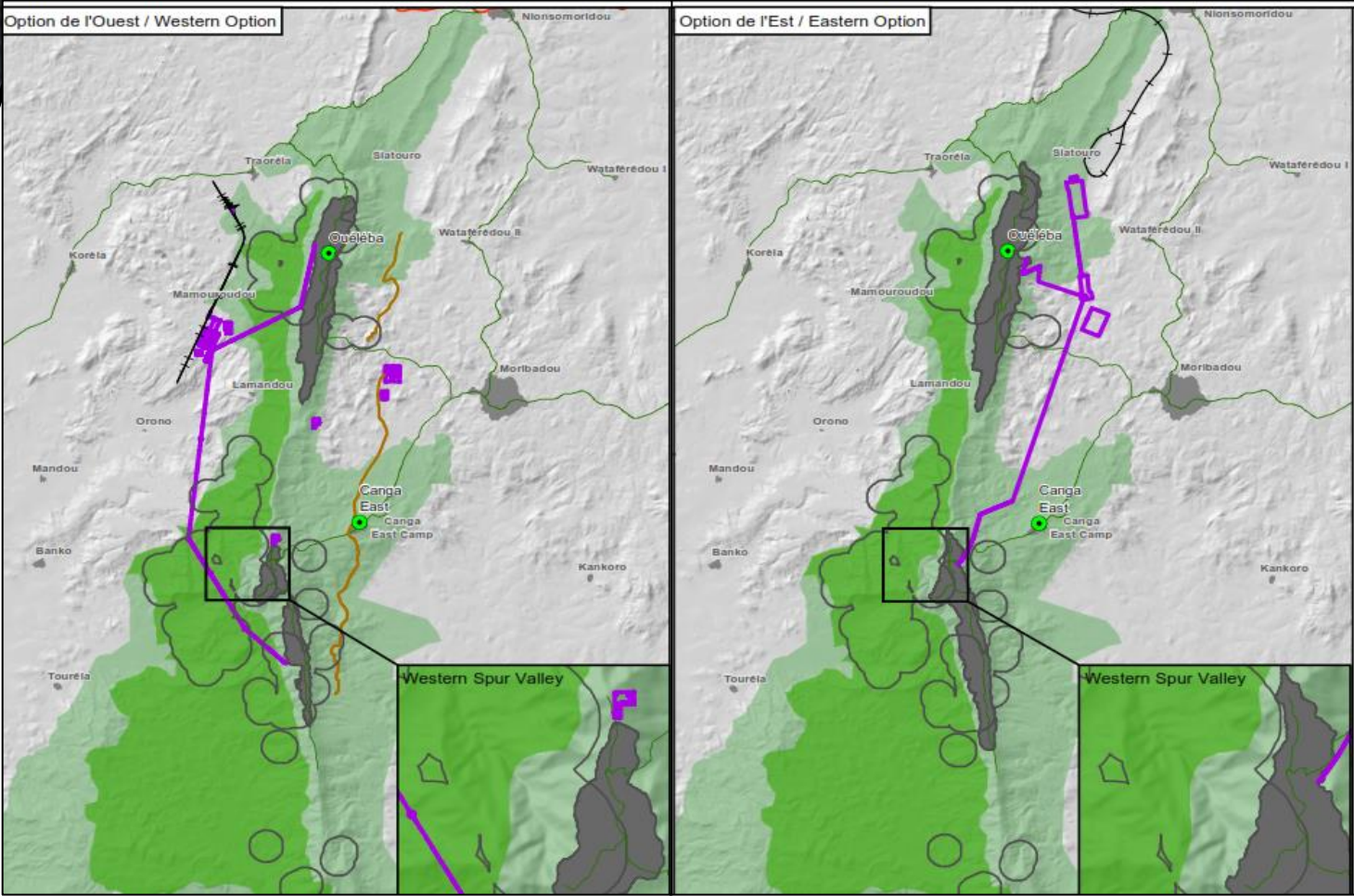
Risk Matrices

3. **Action and Monitoring Plans**

This sheet is an automatically populated reference page containing relevant information from the Risk and Opportunity Working Tables. This information should not be edited.

Risks and Opportunities for Action and Monitoring Planning

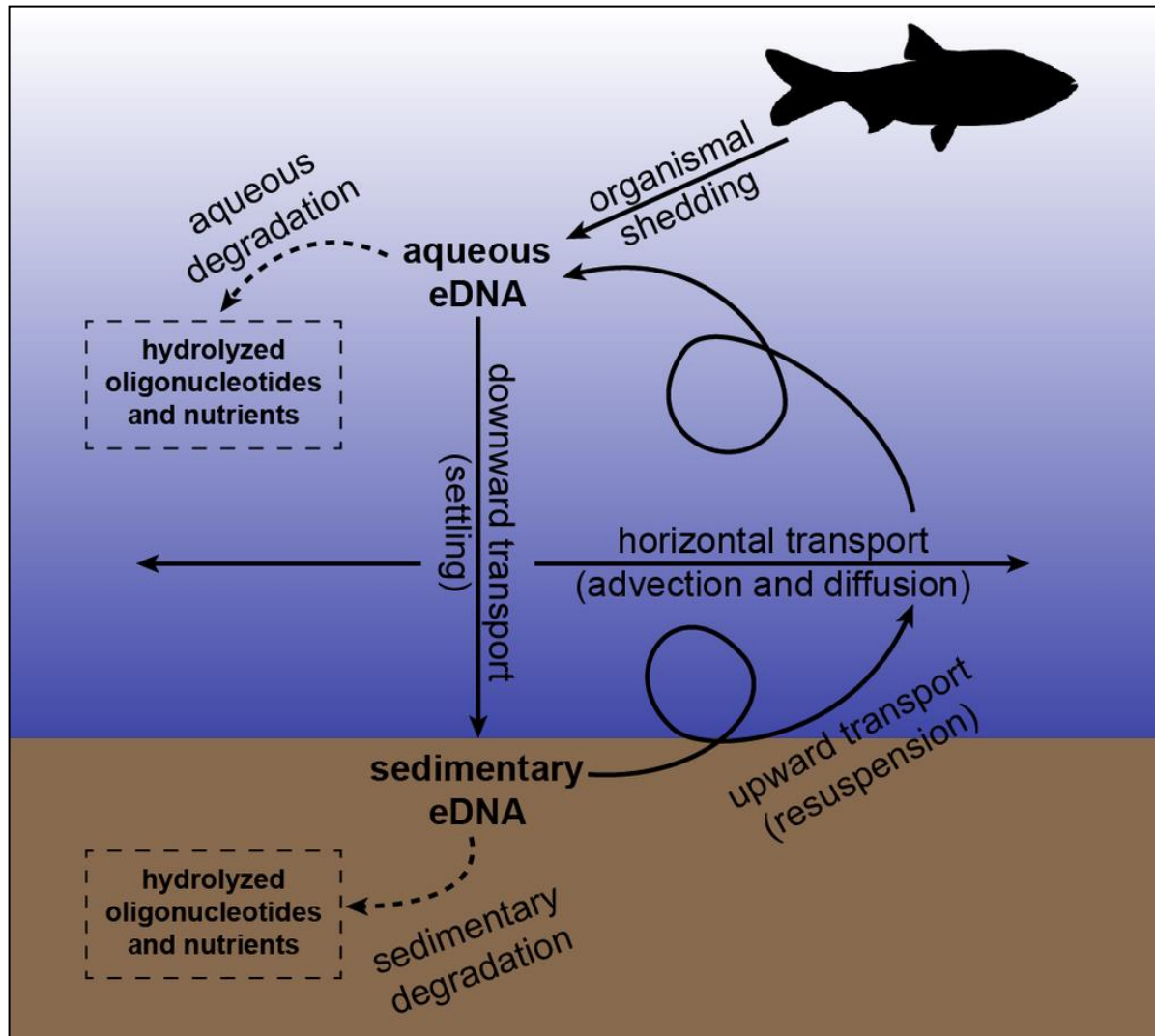
Spatial Avoidance



eDNA – genetic avoidance

Barcode of Life

Identifying Species with DNA Barcoding



Temporal Avoidance



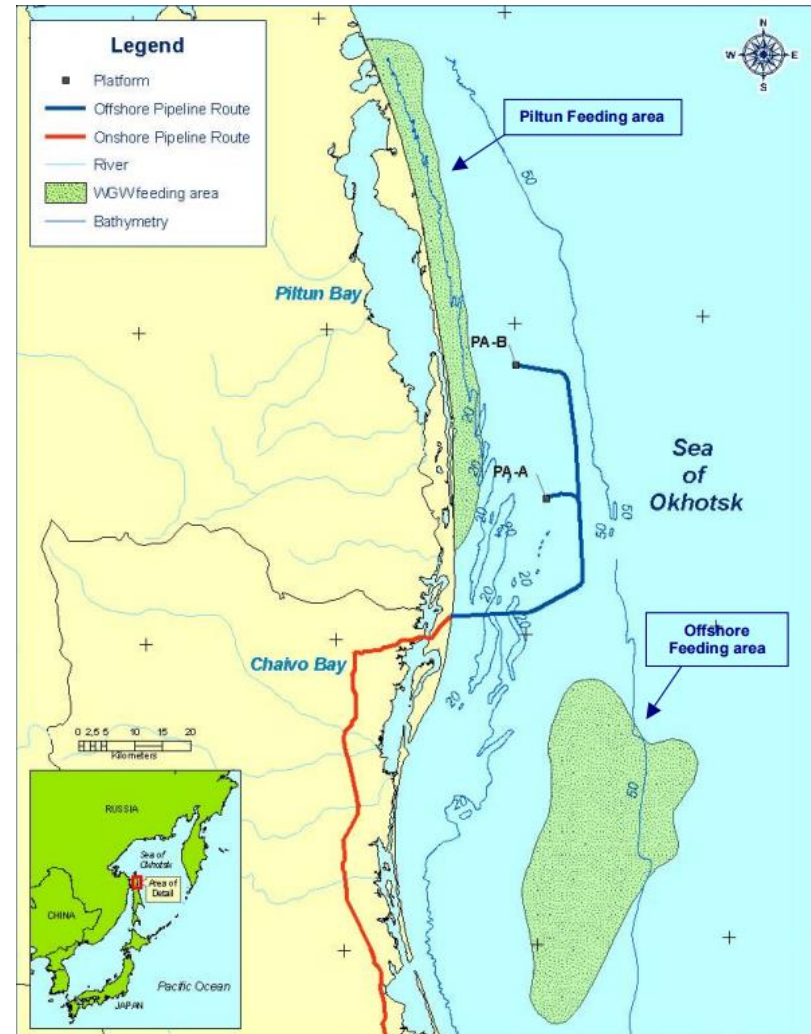
SAKHALIN ENERGY
TO BE THE PREMIER ENERGY SOURCE
FOR ASIA-PACIFIC



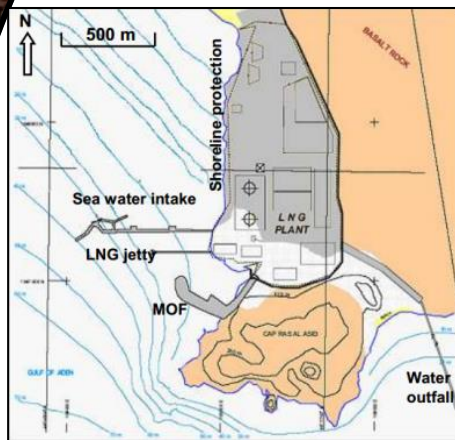
Western Gray Whale Advisory Panel



http://www.banktrack.org/show/picpages/sakhalin_ii_oil_and_gas_project



Design Avoidance



Conclusions

- Wide range of tools and technology available
- Essential that they are used at earliest possible stage of project planning to ensure maximum avoidance potential
- Collaboration and capacity building are needed to improve data availability and quality



Any questions?

With thanks to Samir Whitaker (BirdLife) and the partners of the Cambridge Conservation Initiative funded project

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