

Factors predicting the outcome of targeted conservation interventions

Case study number:

Scientific name:

Common name(s):

RESPONSE VARIABLES

Overview of recovery programme and species status:

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Population trend – has the population increased/decreased/stabilised from its lowest point at the beginning of the recovery programme?

1. Extinct
2. Population decline continuing
3. Population decline halted
4. Population recovery
5. Unknown

OR

1. Declining/Extinct
2. Stable/Increasing
3. Unknown

Conservation reliance

1. Captive managed
2. Intensively managed
3. Lightly managed
4. Conservation dependent
5. Self-sustaining

PREDICTOR VARIABLES

Biology/ecology

1. Order:

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2. Body Mass:

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3. Litter size:

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4. Interbirth Interval:

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5. Habitat type:

- Forest Savanna Shrubland Grassland Wetlands (inland)
Rocky areas (cliffs/peaks) Caves and subterranean habitats Desert
Marine Neritic Marine oceanic Marine deep ocean floor
Marine intertidal Marine coastal/supratidal Artificial – terrestrial
Artificial – aquatic Introduced vegetation Other Unknown

Other info:

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Geo-political environment

6. WWF biogeographic realm:

- Nearctic Palearctic Afrotropic Indomalaya
Australasia Neotropic Oceania Antarctic

7. Human development index:

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8. Human footprint:

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9. Corruption index:

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Threats

10. What are the primary threats to the species?:

- Residential & commercial development
- Agriculture & aquaculture
- Energy production & mining
- Transportation and service corridors
- Biological resource use
- Human intrusions & disturbance
- Natural system modifications
- Invasive & other problematic species, genes & diseases
- Pollution
- Geological events
- Climate change & severe weather
- Other options

Other info:

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11. Do the ultimate threats originate from within or outside the species' range?

Closed system (within)

Open system (outside)

12. Have the primary threats been substantially reduced or reversed?

All Most Some None

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13. Have any of the primary threats escalated during the course of the recovery programme?

Substantial escalation Moderate escalation No escalation

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14. Have novel threats emerged or has the nature of the primary threat changed during the course of the recovery programme?

Yes No

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15. Is the lack of good quality suitable habitat/range a known limitation to recovery?

Yes No

16. Is small population size/inbreeding a known or probable limitation to recovery?

Yes No Unknown

17. Level of legal protection the species has within range states?

Full protection

Partial protection

No protection

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18. Level of legal protection of the species' habitat across range states?

- Full protection
- Partial protection
- No protection

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19. Level of law enforcement for protection of species and/or its habitat:

- Effective enforcement across its range
- Effective enforcement in PAs only
- Partial enforcement across range
- Partial enforcement in PAs only
- Ineffective/weak enforcement across its range

Baseline information and conservation planning

Information on population over time (temporal and/or spatial depending on the number of sites):

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20. Population size at beginning of intervention:

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21. Magnitude/rate of decline at beginning of intervention:

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22. Level of confidence in available field data on status of the population prior to recovery programme?

- High confidence
- Reasonable confidence
- Low confidence
- No confidence/status unknown

23. Number of scientific publications available for the species:

- a) BEFORE start of recovery programme?
- b) AFTER start of recovery programme?

24. Is there an action/management plan for the species?

- Yes No

25. What was the time between formal recognition of the need for a recovery programme and commencement of key management activities?

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26. What are the conservation actions that form a core component of the recovery programme?

Invasive action to target species

- Ex-situ captive breeding
- In situ population recovery
- Translocation
- Disease management

Non-invasive action to target species

- Habitat protection/management/recovery
- Invasive species management
- Law enforcement/anti-poaching
- Community engagement/education/livelihoods
- Compensation payments
- Ecological research

27. Were there any analogous recovery programmes based on a similar species or using similar techniques to this recovery programme?

- Yes No

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Stakeholders and management

28. Number of national level organisations with key role in project

- National/federal government agency
- Regional/state administration agency
- NGO
- Zoo
- Academic institution
- Private company
- Other

29. Number of international level organisations with key role in project

- National/federal government agency
- NGO
- Zoo
- Academic institution
- Private company
- Other

30. Maximum number of people employed on recovery project at any time during the project's history?

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31. What is the overall management structure of the recovery programme?

- Formal recovery team led by e.g. government
- Formal collaborative recovery team/working group with no leadership
- Informal collaboration between stakeholders
- Little/no collaboration between stakeholders

32. Regularity of contact between primary stakeholders?

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33. Level of agreement on key actions between primary stakeholders?

General agreement Partial agreement Weak agreement

34. Level of political support for recovery programme across its range states?

Active endorsement
Passive endorsement
None
Conflict

Other info:

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35. Level of community support for/engagement with the recovery programme?

General support
Partial support
Neutral attitude
Intermittent conflict
Persistent conflict
NA

Other info

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Funding

36. Level of funding needed?

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37. Continuity of major funding:

1 year or less 1-3 years 3+ years

38. Are key recovery plan actions ever delayed through lack of funds?

Rarely/Never Occasionally Regularly Always

39. Are there any issues that you feel significantly contributed to the species' recovery/decline that have not been captured in the questions so far?