

Threats Classification Scheme (Version 3.0)

Assessors are asked to indicate the threats that triggered the listing of the taxon concerned at the finest level possible. These threats could be in the past, ongoing or in the future, using a time frame of three generations or ten years, whichever is the longer (not exceeding 100 years in the future) as required by the Red List Criteria.

1 Residential & commercial development

- 1.1 Housing & urban areas
- 1.2 Commercial & industrial areas
- 1.3 Tourism & recreation areas

- 2.4.1 Subsistence/artisinal aquaculture
 - 2.4.2 Industrial aquaculture
 - 2.4.3 Scale
- Unknown/Unrecorded

2 Agriculture & aquaculture

- 2.1 Annual & perennial non-timber crops
 - 2.1.1 Shifting agriculture
 - 2.1.2 Small-holder farming
 - 2.1.3 Agro-industry farming
 - 2.1.4 Scale

Unknown/Unrecorded
- 2.2 Wood & pulp plantations
 - 2.2.1 Small-holder plantations
 - 2.2.2 Agro-industry plantations
 - 2.2.3 Scale

Unknown/Unrecorded
- 2.3 Livestock farming & ranching
 - 2.3.1 Nomadic grazing
 - 2.3.2 Small-holder grazing, ranching or farming
 - 2.3.3 Agro-industry grazing, ranching or farming
 - 2.3.4 Scale

Unknown/Unrecorded
- 2.4 Marine & freshwater aquaculture

3 Energy production & mining

- 3.1 Oil & gas drilling
- 3.2 Mining & quarrying
- 3.3 Renewable energy

4 Transportation & service corridors

- 4.1 Roads & railroads
- 4.2 Utility & service lines
- 4.3 Shipping lanes
- 4.4 Flight paths

5 Biological resource use

- 5.1 Hunting & trapping terrestrial animals
 - 5.1.1 Intentional mortality (human use)
 - 5.1.2 Incidental or accidental mortality (bycatch)
 - 5.1.3 Persecution/control
 - 5.1.4 Motivation

Unknown/Unrecorded
- 5.2 Gathering terrestrial plants
 - 5.2.1 Intentional mortality (human use)

- 5.2.2 Incidental or accidental mortality (bycatch)
- 5.2.3 Persecution/control
- 5.2.4 Motivation
Unknown/Unrecorded
- 5.3 Logging & wood harvesting
 - 5.3.1 Intentional mortality (human use - subsistence/small scale)
 - 5.3.2 Intentional mortality (human use - large scale)
 - 5.3.3 Incidental or accidental mortality (bycatch - subsistence/small scale)
 - 5.3.4 Incidental or accidental mortality (bycatch - large scale)
 - 5.3.5 Motivation
Unknown/Unrecorded
- 5.4 Fishing & harvesting aquatic resources
 - 5.4.1 Intentional mortality (human use - subsistence/small scale)
 - 5.4.2 Intentional mortality (human use - large scale)
 - 5.4.3 Incidental or accidental mortality (bycatch - subsistence/small scale)
 - 5.4.4 Incidental or accidental mortality (bycatch - large scale)
 - 5.4.5 Persecution/control
 - 5.4.6 Motivation
Unknown/Unrecorded

6 Human intrusions & disturbance

- 6.1 Recreational activities
- 6.2 War, civil unrest & military exercises
- 6.3 Work & other activities

7 Natural system modifications

- 7.1 Fire & fire suppression
 - 7.1.1 Increase in fire frequency/intensity
 - 7.1.2 Supression in fire frequency/intensity
 - 7.1.3 Trend Unknown/Unrecorded
- 7.2 Dams & water management/use
 - 7.2.1 Abstraction of surface water (domestic use)
 - 7.2.2 Abstraction of surface water (commercial use)
 - 7.2.3 Abstraction of surface water (agricultural use)
 - 7.2.4 Abstraction of surface water (unknown use)
 - 7.2.5 Abstraction of ground water (domestic use)
 - 7.2.6 Abstraction of ground water (commercial use)
 - 7.2.7 Abstraction of ground water (agricultural use)
 - 7.2.8 Abstraction of ground water (unknown use)
 - 7.2.9 Small dams
 - 7.2.10 Large dams
 - 7.2.11 Dams (size unknown)
- 7.3 Other ecosystem modifications

8 Invasive & other problematic species & genes

- 8.1 Invasive non-native/alien species
 - 8.1.1 Unspecified species
 - 8.1.2 Named species
- 8.2 Problematic native species

- 8.3 Introduced genetic material

9 Pollution

- 9.1 Domestic & urban waste water
 - 9.1.1 Sewage
 - 9.1.2 Run-off
 - 9.1.3 Type
Unknown/Unrecorded
- 9.2 Industrial & military effluents
 - 9.2.1 Oil spills
 - 9.2.2 Seepage from mining
 - 9.2.3 Type
Unknown/Unrecorded
- 9.3 Agricultural & forestry effluents
 - 9.3.1 Nutrient loads
 - 9.3.2 Soil erosion, sedimentation
 - 9.3.3 Herbicides and pesticides
 - 9.3.4 Type
Unknown/Unrecorded
- 9.4 Garbage & solid waste
- 9.5 Air-borne pollutants
 - 9.5.1 Acid rain
 - 9.5.2 Smog
 - 9.5.3 Ozone
 - 9.5.4 Type
Unknown/Unrecorded
- 9.6 Excess energy
 - 9.6.1 Light pollution
 - 9.6.2 Thermal pollution
 - 9.6.3 Noise pollution
 - 9.6.4 Type
Unknown/Unrecorded

10 Geological events

- 10.1 Volcanoes
- 10.2 Earthquakes/tsunamis
- 10.3 Avalanches/landslides

11 Climate change & severe weather

- 11.1 Habitat shifting & alteration
- 11.2 Droughts
- 11.3 Temperature extremes
- 11.4 Storms & flooding
- 11.5 Other impact

Conservation Actions Classification Scheme (Version 2.0)

Assessors are asked to use this Classification Scheme to indicate the conservation actions or measures that are needed for the plant or animal concerned. The selection should be for those actions that are most needed and that could realistically be achieved within the next five years.

1 Land/water protection

- 1.1 Site/area protection
- 1.2 Resource & habitat protection

2 Land/water management

- 2.1 Site/area management
- 2.2 Invasive/problematic species control
- 2.3 Habitat & natural process restoration

3 Species management

- 3.1 Species management
 - 3.1.1 Harvest management
 - 3.1.2 Trade management
 - 3.1.3 Limiting population growth
- 3.2 Species recovery
- 3.3 Species re-introduction
 - 3.3.1 Reintroduction
 - 3.3.2 Benign introduction
- 3.4 Ex-situ conservation
 - 3.4.1 Captive breeding/artificial propagation
 - 3.4.2 Genome resource bank

4 Education & awareness

- 4.1 Formal education
- 4.2 Training
- 4.3 Awareness & communications

5 Law & policy

- 5.1 Legislation
 - 5.1.1 International level
 - 5.1.2 National level
 - 5.1.3 Sub-national level
 - 5.1.4 Scale unspecified
- 5.2 Policies and regulations
- 5.3 Private sector standards & codes
- 5.4 Compliance and enforcement
 - 5.4.1 International level
 - 5.4.2 National level
 - 5.4.3 Sub-national level
 - 5.4.4 Scale unspecified

6 Livelihood, economic & other incentives

- 6.1 Linked enterprises & livelihood alternatives
- 6.2 Substitution
- 6.3 Market forces
- 6.4 Conservation payments
- 6.5 Non-monetary values