

THREAT ASSESSMENT

Genetic reserve:

Target CWR:

Threat type

Timing

Scope

Severity

1 Residential and commercial development

1.1 Housing and urban areas

1.2 Commercial and industrial areas

1.3 Tourism and recreation areas

2 Agriculture and aquaculture

2.1 Annual and 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 and pulp plantations

2.2.1 Small-holder plantations

2.2.2 Agro-industry plantations

2.2.3 Scale Unknown/Unrecorded

2.3 Livestock farming and 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 and freshwater aquaculture

2.4.1 Subsistence/artisanal aquaculture

2.4.2 Industrial aquaculture

2.4.3 Scale Unknown/Unrecorded

3 Energy production and mining

3.1 Oil and gas drilling

3.2 Mining and quarrying

3.3 Renewable energy

4 Transportation and service corridors

4.1 Roads and railroads

4.2 Utility and service lines

4.3 Shipping lanes

4.4 Flight paths

5 Biological resource use

5.1 Hunting and collecting terrestrial animals

5.1.1 Intentional use (species being assessed is the target)

5.1.2 Unintentional effects (species being assessed is not the target)

5.1.3 Persecution/control

5.1.4 Motivation Unknown/Unrecorded

5.2 Gathering terrestrial plants

5.2.1 Intentional use (species being assessed is the target)

5.2.2 Unintentional effects (species being assessed is not the target)

5.2.3 Persecution/control

5.2.4 Motivation Unknown/Unrecorded

5.3 Logging and wood harvesting

5.3.1 Intentional use: subsistence/small scale (species being assessed is the target) [harvest]

5.3.2 Intentional use: large scale (species being assessed is the target) [harvest]

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5.3.3 Unintentional effects: subsistence/small scale (species being assessed is not the target) [harvest]

5.3.4 Unintentional effects: large scale (species being assessed is not the target) [harvest]

5.3.5 Motivation Unknown/Unrecorded

5.4 Fishing and harvesting aquatic resources

5.4.1 Intentional use: subsistence/small scale (species being assessed is the target) [harvest]

5.4.2 Intentional use: large scale (species being assessed is the target) [harvest]

5.4.3 Unintentional effects: subsistence/small scale (species being assessed is not the target) [harvest]

5.4.4 Unintentional effects: large scale (species being assessed is not the target) [harvest]

5.4.5 Persecution/control

5.4.6 Motivation Unknown/Unrecorded

6 Human intrusions and disturbance

6.1 Recreational activities

6.2 War, civil unrest and military exercises

6.3 Work and other activities

7 Natural system modifications

7.1 Fire and fire suppression

7.1.1 Increase in fire frequency/intensity

7.1.2 Suppression in fire frequency/intensity

7.1.3 Trend Unknown/Unrecorded

7.2 Dams and 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 and other problematic species, genes and diseases

8.1 Invasive non-native/alien species/diseases

8.1.1 Unspecified species

8.1.2 Named species

8.2 Problematic native species/diseases

8.2.1 Unspecified species

8.2.2 Named species

8.3 Introduced genetic material

8.4 Problematic species/diseases of unknown origin

8.4.1 Unspecified species

8.4.2 Named species

8.5 Viral/prion-induced diseases

8.5.1 Unspecified "species" (disease)

8.5.2 Named "species" (disease)

8.6 Diseases of unknown cause

9 Pollution

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9.1 Domestic and urban wastewater

9.1.1 Sewage

9.1.2 Run-off

9.1.3 Type Unknown/Unrecorded

9.2 Industrial and military effluents

9.2.1 Oil spills

9.2.2 Seepage from mining

9.2.3 Type Unknown/Unrecorded

9.3 Agricultural and 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 and 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 and severe weather

11.1 Habitat shifting and alteration

11.2 Droughts

11.3 Temperature extremes

11.4 Storms and flooding

11.5 Other impacts

12 Other options