



## Threats and conservation status of threatened birds in Chitwan Annapurna Landscape, Nepal

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Relative threats ranking results based on the IUCN Red List categorizes threats to birds. Methodological approach based on Margoluis, R. (2001). *Is Our Project Succeeding?: A Guide to Threat Reduction Assessment for Conservation* (No. 111). Biodiversity Support Program.

### Scope

SCALE	Classification	Definition
4	Very High	The threats that are likely to affect across or most (70-100%) of population
3	High	The threats that are likely to affect cross or most (31-70 %) of population
2	Medium	The threats that are likely to affect cross or most (11-30%) of population
1	LOW	The threats that are likely to affect cross or most (1-10%) of population

### Severity

SCALE	Classification	Definition
4	Very High	Within this scope, the threats that are likely to destroy, eliminate, or reduce the population by (70-100%) of population in the next 10 years
3	High	Within this scope, the threats that are likely to destroy, eliminate, or reduce the populations by (31-70%) of population in the next 10 years
2	Medium	Within this scope, the threats that are likely to destroy, eliminate, or reduce the population by (11-30%) of population in the next 10 years
1	LOW	Within this scope, the threats that are likely to destroy, eliminate, or reduce the populations by (1-10%) of population in the next 10 years

### Urgency

SCALE	Classification	Definition
4	Very High	The effects of the threat cannot be reversed, it's unlikely the target can be restored and will take more than 100 years to do it.
3	High	The effects of the threat can be reversed and the target restored within 21-100 years.
2	Medium	The effects of the threat can be reversed and the target restored within 6-100 years.
1	LOW	The effects of the threat are easily reversible, and the target restored within 0-5 years.

### 1. Common Pochard

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	3	1	3	7	H
Energy production and mining	1	1	4	6	M
Transportation and service corridor	1	1	4	6	M
Biological resource use	3	3	3	9	H
Human intrusions and disturbance	4	3	4	11	VH
Natural system modification	4	4	4	12	VH
Invasive and problematic species, genes and diseases	1	3	2	6	M
Pollution	3	3	2	8	H
Geological events	1	1	3	5	M
Climate Change and severe weather	4	2	4	10	VH

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### 2. Red Headed Vulture

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	4	4	4	12	VH
Agriculture and aquaculture	4	1	4	9	H
Energy production and mining	1	1	1	3	L
Transportation and service corridor	4	3	4	11	VH
Biological resource use	4	2	4	10	VH
Human intrusions and disturbance	4	4	4	12	VH
Natural system modification	4	4	4	12	VH
Invasive and problematic species, genes and diseases	3	3	3	9	H
Pollution	4	4	4	12	VH
Geological events	1	1	1	3	L
Climate Change and severe weather	2	2	2	6	M

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### 3. Slender-billed Vulture

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	4	4	4	12	VH
Agriculture and aquaculture	4	4	4	12	VH
Energy production and mining	2	2	2	6	M
Transportation and service corridor	4	4	4	12	VH

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Biological resource use	3	3	4	10	VH
Human intrusions and disturbance	4	4	4	12	VH
Natural system modification	4	4	4	12	VH
Invasive and problematic species, genes and diseases	3	3	3	9	H
Pollution	4	4	4	12	VH
Geological events	1	1	1	3	L
Climate Change and severe weather	2	2	2	6	M

#### 4. Asian Wolleyneck

Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	3	2	3	8	H
Energy production and mining	1	1	4	6	M
Transportation and service corridor	2	1	4	7	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	3	2	2	7	H
Natural system modification	3	4	3	10	VH
Invasive and problematic species, genes and diseases	2	1	1	4	M
Pollution	3	4	3	10	VH
Geological events	1	1	1	3	L
Climate Change and severe weather	1	1	1	3	L

#### 5. Lesser Adjutant

Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	3	2	3	8	H
Energy production and mining	1	1	4	6	M
Transportation and service corridor	2	1	4	7	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	3	2	2	7	H
Natural system modification	3	4	3	10	VH
Invasive and problematic species, genes and diseases	2	1	1	4	M
Pollution	3	4	3	10	VH
Geological events	1	1	1	3	L
Climate Change and severe weather	1	1	1	3	L

## 6. Oriental Darter

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	1	1	4	6	M
Agriculture and aquaculture	1	1	1	3	L
Energy production and mining	1	1	1	3	L
Transportation and service corridor	1	1	1	3	L
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	3	2	2	7	H
Natural system modification	4	3	2	9	H
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	3	3	2	8	H
Geological events	1	1	1	3	L
Climate Change and severe weather	4	1	2	7	H

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## 7. River Lapwing

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	1	1	4	6	M
Agriculture and aquaculture	1	1	1	3	L
Energy production and mining	1	1	1	3	L
Transportation and service corridor	1	1	1	3	L
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	2	1	1	4	M
Natural system modification	3	2	1	6	M
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	2	2	1	5	M
Geological events	1	1	1	3	L
Climate Change and severe weather	3	1	2	6	M

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## 8. Cinereous Vulture

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	1	1	3	5	M

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Natural system modification	1	1	4	6	M
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	2	1	1	4	M
Geological events	1	1	1	3	L
Climate Change and severe weather	3	1	1	5	M

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### 9. Steepe Eagle

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	3	2	4	9	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	2	2	3	7	H
Natural system modification	1	1	4	6	M
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	2	1	1	4	M
Geological events	1	1	1	3	L
Climate Change and severe weather	2	1	1	4	M

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### 10. Spotted Eagle

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	3	2	4	9	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	2	2	3	7	H
Natural system modification	1	1	4	6	M
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	3	2	2	7	H
Geological events	4	3	3	10	VH
Climate Change and severe weather	2	1	1	4	M

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**11. Bearded Vulture**

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	3	2	4	9	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	2	2	3	7	H
Natural system modification	1	1	4	6	M
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	3	2	2	7	H
Geological events	4	3	3	10	VH
Climate Change and severe weather	2	1	1	4	M

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**12. White-rumped Vulture**

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	3	2	3	8	H
Natural system modification	1	1	4	6	M
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	2	1	1	4	M
Geological events	3	3	3	9	H
Climate Change and severe weather	3	1	1	5	M

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**13. Himalayan Griffon**

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	1	1	3	5	M

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Natural system modification	1	1	4	6	M
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	2	1	1	4	M
Geological events	1	1	1	3	L
Climate Change and severe weather	3	1	1	5	M

#### 14. Grey Headed Fish Eagle

Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	1	1	3	5	M
Natural system modification	2	2	4	8	H
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	4	3	3	10	VH
Geological events	2	3	3	8	H
Climate Change and severe weather	3	1	1	5	M

#### 15. Egyptian Vulture

Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H
Biological resource use	1	1	1	3	L
Human intrusions and disturbance	1	1	3	5	M
Natural system modification	2	2	4	8	H
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	4	3	3	10	VH
Geological events	2	3	3	8	H
Climate Change and severe weather	3	1	1	5	M

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**16. Saker Falcon**

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Threats	Scope	Severity	Urgency	Total	Classification
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H
Biological resource use	3	3	3	9	H
Human intrusions and disturbance	3	2	3	8	H
Natural system modification	2	2	4	8	H
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	4	3	3	10	VH
Geological events	2	3	3	8	H
Climate Change and severe weather	3	1	1	5	M

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**17. Red Breasted Parakeet**

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Threats	Scope	Severity	Urgency	Total	CLASSIFICATION
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	2	1	2	5	M
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H
Biological resource use	4	4	4	12	VH
Human intrusions and disturbance	2	2	3	7	H
Natural system modification	3	3	4	10	VH
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	4	3	3	10	VH
Geological events	1	1	1	3	L
Climate Change and severe weather	3	1	1	5	M

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**18. Grey Crowned Prinia**

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Threats	Scope	Severity	Urgency	Total	CLASSIFICATION
Residential and commercial development	2	1	4	7	H
Agriculture and aquaculture	3	3	3	9	H
Energy production and mining	3	1	4	8	H
Transportation and service corridor	2	1	4	7	H

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Biological resource use	4	4	4	12	VH
Human intrusions and disturbance	3	3	3	9	H
Natural system modification	4	4	3	11	VH
Invasive and problematic species, genes and diseases	1	1	1	3	L
Pollution	4	3	3	10	VH
Geological events	1	1	1	3	L
Climate Change and severe weather	4	4	1	9	H

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