

Threat category*	Problem
<b>1 Agriculture and aquaculture</b>	<p><b><i>Annual and perennial (non)timber crops</i></b></p> <ul style="list-style-type: none"> <li>• Planting of crops for food, fiber, fuel or other uses</li> </ul> <p><b><i>Livestock farming and ranching</i></b></p> <ul style="list-style-type: none"> <li>• Cattle grazing / ranching in protected areas</li> </ul>
<b>2 Energy production and mining</b>	<p><b><i>Mining and quarrying</i></b></p> <ul style="list-style-type: none"> <li>• Mining for precious minerals, sand, limestone, rocks, mud and other as well as exploration and development for the same</li> </ul>
<b>3 Biological resource use</b>	<p><b><i>Hunting and collecting terrestrial animals**</i></b></p> <ul style="list-style-type: none"> <li>• Honey collection</li> <li>• Insect collection</li> <li>• Poaching for meat, bones, skin, fur (sustenance)</li> <li>• Poaching for meat, bones, skin, fur (cultural)</li> <li>• Poaching for trophy (commercial)</li> <li>• Poaching for trophy (cultural)</li> <li>• Poaching for pet trade (live animals)</li> <li>• Poaching for pet trade (eggs)</li> <li>• Poaching for breeding programs (live animals)</li> <li>• Poaching as retaliation for human-wildlife conflict</li> <li>• Poaching for traditional medicine/witchcraft</li> <li>• Poaching for animal testing</li> <li>• Poaching for excitement or thrills, aka thrill killing</li> <li>• Poaching for zoo collections or wildlife tourism</li> <li>• Sentinel poaching</li> </ul> <p><b><i>Gathering terrestrial plants</i></b></p> <ul style="list-style-type: none"> <li>• Bark collection</li> <li>• Cotton collection</li> <li>• Flora poaching (e.g. orchids, cacti)</li> </ul>

- Fungi collection
- Medicinal plant collection
- Thatch collection

***Logging and wood harvesting***

- Charcoal burning
- Commercial timber extraction
- Firewood collection
- Pole harvesting
- Pit sawing
- Scented wood collection

***Fishing and harvesting aquatic resources***

- Coral collection
- Fishing for protected species
- Fishing in unauthorized area (out of season, without correct permit)
- Fishing with outlawed equipment (i.e. nets with small holes, poison, electrical, nets, fish traps, spears)
- Dam fishing
- Destructive fishing practices (i.e. dynamite/grenades)
- Overfishing quota

**4 Human intrusions and disturbance**

***Recreational activities***

- Off-tracking

***War, civil unrest and military exercises***

- Mine fields
- Occupation
- Troop and material transport

***Work and other activities***

- Destruction, moving or damaging of border markers
- Encroachment\*\*\*

	<ul style="list-style-type: none"> <li>• Speeding (road kill)</li> <li>• Trespassing</li> </ul>
<b>5 Human-wildlife conflict</b>	<ul style="list-style-type: none"> <li>• Crop raiding (i.e. corn, rice, cassava)</li> <li>• Disease transmission</li> <li>• Retaliatory and Fear killings</li> <li>• Human mortalities (i.e. caused by elephants, tigers, crocodiles)</li> <li>• Livestock predation</li> <li>• Problem animals (i.e. buffalo, baboon, elephant)</li> </ul>
<b>6 Natural system modifications</b>	<p><b><i>Fire and fire suppression</i></b></p> <ul style="list-style-type: none"> <li>• Arson for e.g. vegetation clearing</li> <li>• Campfires</li> <li>• Fire suppression to protect e.g. homes</li> </ul> <p><b><i>Dams and water management/use</i></b></p> <ul style="list-style-type: none"> <li>• Dam building</li> <li>• Wetland filling (e.g. mosquito control)</li> </ul> <p><b><i>Other ecosystem modifications</i></b></p> <ul style="list-style-type: none"> <li>• Vegetation clearing</li> </ul>
<b>7 Invasive and other problematic species and genes</b>	<ul style="list-style-type: none"> <li>• Introduction of invasive species</li> <li>• Introduction of unwanted native species or individuals</li> </ul>
<b>8 Pollution</b>	<ul style="list-style-type: none"> <li>• Household, commercial or industrial waste disposal</li> <li>• Littering</li> </ul>

## 9 Other

- Attacks on enforcement or other protected area personnel
- Burglary from lodges
- Corruption – misuse/embezzlement of PA funds, bribery, taxation, protected area staff selling hunting rights, etc.
- Drug cultivation and manufacturing
- Emergency rescue of tourists
- Human rights infringements (e.g. slave labor)
- Illegal sale of protected area lands
- Robbery of tourists, unsanctioned taxes or road tolls
- Theft of protected area equipment (camera traps, vehicles, signage etc)
- Trafficking (humans, arms, narcotics, other)
- Vandalism

\* Threat categorizations partly drawn from Salafsky, N., Salzer, D., Stattersfield, A.J., Hilton-Taylor, C., Neugarten, R., Butchart, S.H.M., Collen, B., Cox, N., Master, L.L., O'Connor, S. & Wilkie, D. (2007). A standard lexicon for biodiversity conservation: unified classifications of threats and actions. *Conservation Biology*, 22(4), 897-911. DOI:10.1111/j.1523-1739.2008.00937.x

\*\* Each type of poaching can be committed using a variety of techniques for killing, detection and transportation  
*Active poaching (finding and killing animal)*: professional gun, homemade gun, bow and arrow (poisoned arrows), dogs with spear, dogs with net, tranquilizer dart, spotlighting, vehicle (intentional roadkill), aerial (shooting from plane/helicopter), drones (used to scout), hunting platforms (illegally constructed)  
*Passive poaching (laying traps for animal)*: snaring (different types of material for different animals), gin traps, pit traps, hanging spear trap, poison (i.e. water or food source), mist nets (for birds)

\*\*\* Encroachment is the act of (gradually) infringing on protected area land to claim this for oneself for various reasons (perceived right, agricultural expansion, etc.)