

Appendix 1

Table A1.1. Threats identified by park administrators and managers in PNP and UNNP

Threat	Poloniny National Park (1)	Uzhanskiy National Nature Park (24)	Notes
<i>Residential and commercial development within the protected area</i>			
Housing and settlement	Low	Low	
Commercial and industrial areas	Low	Low	
Tourism and recreation infrastructure	Low	Medium	
<i>Agriculture and aquaculture within the protected area</i>			
Annual and perennial non-timber crop cultivation	Low	Low	
Wood and pulp plantations	N/A	N/A	
Livestock farming and grazing	N/A	Medium	
Marine and freshwater aquaculture	N/A	N/A	
<i>Energy production and mining within the protected area</i>			
Oil and gas drilling	N/A	Low	
Mining and gas quarrying	N/A	Medium	
Hydropower dams	Low	N/A	
Wind farms	N/A	N/A	
Other	Medium	N/A	
<i>Transportation and service corridors within the protected area</i>			
Roads and railroads	Low	Medium	
Utility and service lines	Low	Medium	
Shipping lanes and canals	N/A	N/A	
Flight paths	N/A	Low	
<i>Biological resource use and harm within the protected area</i>			
Hunting, killing and collecting terrestrial animals	Medium	High	Common threat
Gathering terrestrial plants or plant products	Low	Medium	
Logging and wood harvesting	High	Medium	Common threat
Fishing, killing and harvesting aquatic resources	Low	Medium	
<i>Human intrusions and disturbance within the protected area</i>			
Recreational activities and tourism	Low	Low	
Ski infrastructure, developments	Low	Low	
War, civil unrest, military exercises	N/A	N/A	
Research & education	Low	Low	
Activities of PA managers	Medium	Low	
Deliberate vandalism, destructive activities	Low	Medium	
<i>Natural system modifications</i>			
Fire and fire suppression	Low	Low	
Dams, hydrological modification and water management/use	Medium	Low	

Increased fragmentation within PA	Low	Medium	
Isolation from other natural habitat	Low	Medium	
Other edge effects	Low	Low	
Loss of keystone species	Low	Low	
<i>Invasive and other problematic species and genes</i>			
Invasive/non-native plants	Low	Low	
Invasive/non-native animals	Low	Low	
Pathogens	Low	Low	
Introduced genetic material	Low	Low	
<i>Pollution entering or generated within the protected area</i>			
Household sewage and urban wastewater	Low	High	
Sewage and wastewater from PA facilities	N/A	Medium	
Industrial, mining and military effluents and discharges	N/A	Low	
Agricultural and forestry effluents	Low	Low	
Garbage and solid waste	Low	High	
Air-borne pollutants	Low	Low	
Excess energy	Low	Low	
<i>Geological events</i>			
Volcanoes	N/A	N/A	
Earthquakes	N/A	N/A	
Avalanches/Landslides	N/A	Low	
Erosion and siltation/deposition	High	Medium	Common threat
<i>Climate change and severe weather</i>			
Habitat shifting and alteration	Medium	Low	
Droughts	Medium	Low	
Temperature extremes	Medium	Medium	Common threat
Storms and flooding	Medium	Low	
Changes in species behaviour	Medium	Medium	Common threat
<i>Specific cultural and social threats</i>			
Loss of cultural links/TEK and/or management practices	High	Medium	Common threat

* Data was sourced from the CPAMETT database