

Snow leopard (*Panthera uncia*) Conservation: Interface with human

WWF-India Initiative

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Species Conservation Programme

WWF-India



The basic objectives are:

Minimize snow leopard-human conflicts: Reduce loss of livestock depredation

Improve livestock guarding practices

Increase household income by providing

- incentives/ compensation against livestock loss
- enhance community based livelihood schemes



India is practicing the following:

Livestock insurance schemes by NCF and ISLT in Spiti, Himachal Pradesh

Improved livestock guarding practices: predator proof corral pens in Leh, Ladakh by SLC and Dept. of Wildlife Protection, Govt. of J & K

Community based livelihood schemes such as Home stays and Eco-tourism in Leh and Spiti by NCF, ISLT and WWF-India

Appreciative Participatory Planning and Action (APPA) in Hemis National Park, Ladakh

Hemis National Park: 4000 sq km area in the Trans-Himalayas of Leh, Ladakh

Considered as prime snow leopard habitat

Almost 1600 people live in 16 small settlements

Communities reported considerable livestock loss during depredation by snow leopard (Bhatnagar et al. 1999)

Jackson R., Wangchuk R. and Hillard D. Grassroots measures to protect the endangered snow leopard from herder retribution: lessons learned from predator-proofing corrals in Ladakh.

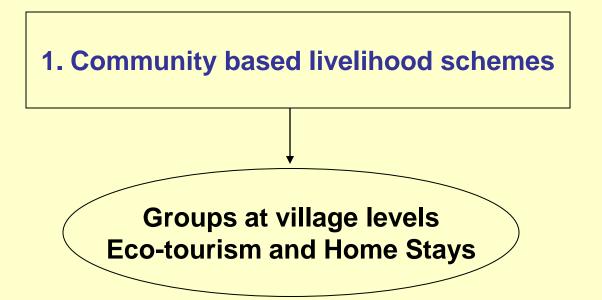
Bhatnagar Y.V., Wangchuk R. and Jackson R. 1999. A survey of depredation and related wildlife-human conflicts in Hemis National Park, Ladakh, Jammu and Kashmir, India.



Main Agenda

Expectation from communities in terms of their involvement, contribution and responsibility

Features with examples:



2. Conservation awareness programmes

Awareness meetings/ workshops for Villagers, shepherds, students, tourist Operators and other stakeholders

3. Reduce Livestock depredation

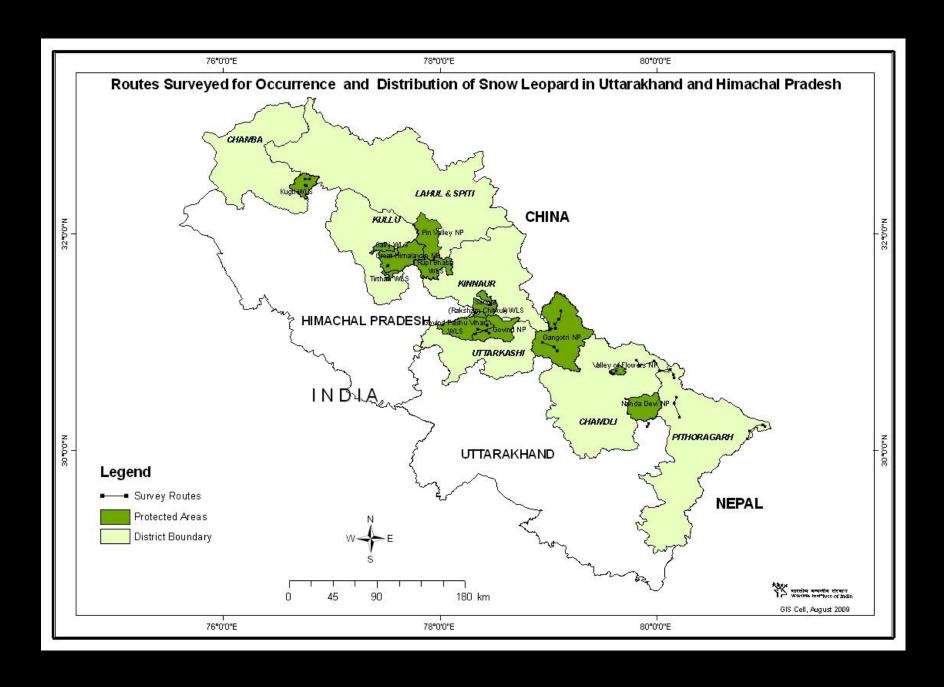
Construction of predator proof corral Pens with local participation and involvement



4. Strength environmental stewardship

Long term objective of the programme:

Mixture of all three features at landscape level and can be measured through research tools



Distribution and Habitat



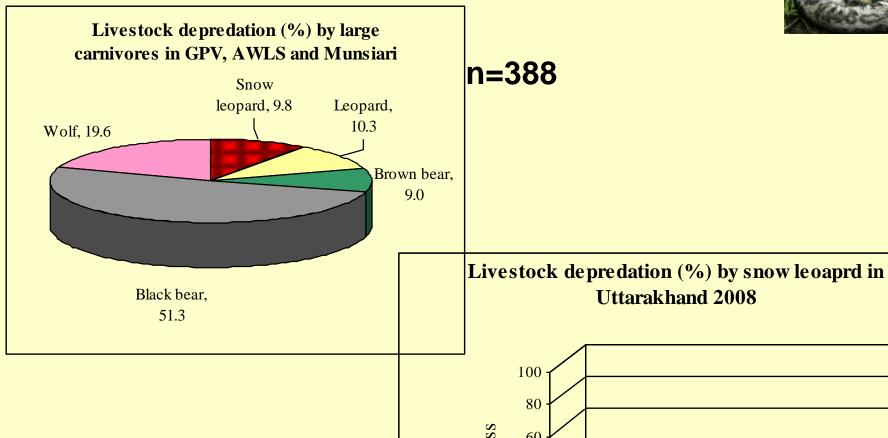
• First focused surveys on snow leopard in SNOW LEOPARD CONSERVATION I

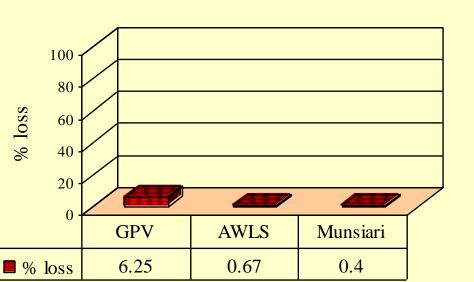
in Uttarakhand and Himachal Pradesh

- Almost 10 Protected Areas were surveyed
- 13 evidence of snow leopard in Uttarakhand in the form of scats (9) and pugmarks (4).
 - Three snow leopards are identified genetically (WII, unpub.)
- Potential areas identified in Uttarakhand
- No evidence in the areas surveyed of Himachal Pradesh

Large carnivore-human conflicts in Uttarakhand-2008

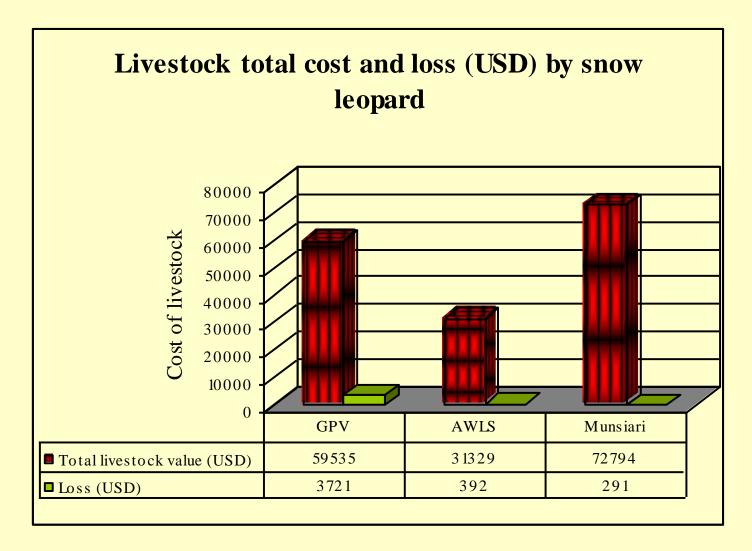






Snow leopard-human conflicts in Uttarakhand-2008





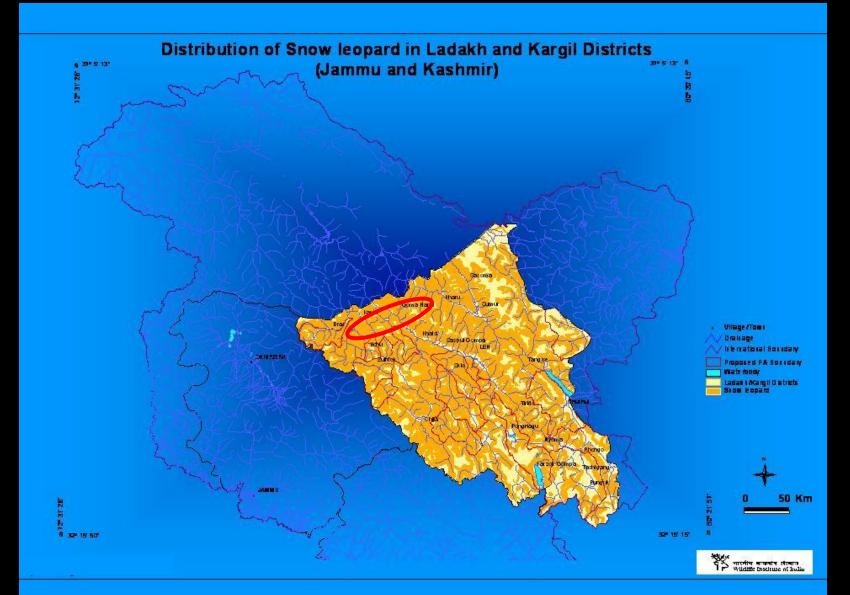
Threats to snow leopard and its habitat



⇒Targets⇒ ∜Threats∜	Snow leopard	Snow leopard habitat
Snow leopard-human conflicts	Low	
Tourism		Low
Human settlements		Low
Grazing		Low
Developmental activity		Medium
Target threat rating	Low	Low

Kargil, Ladakh?





Diet of Snow leopard

Wild prey: 55 %
Domestic Livestock: 45 %

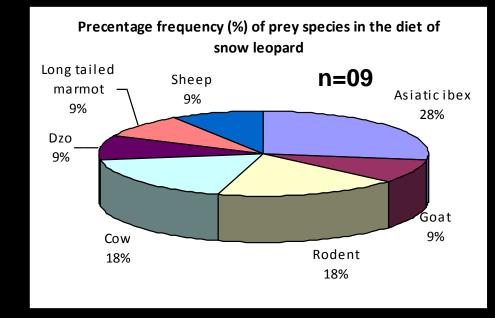


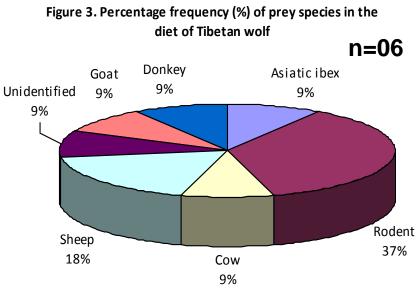
Diet of Tibetan wolf

Wild prey: 46 %

Domestic Livestock: 45 %







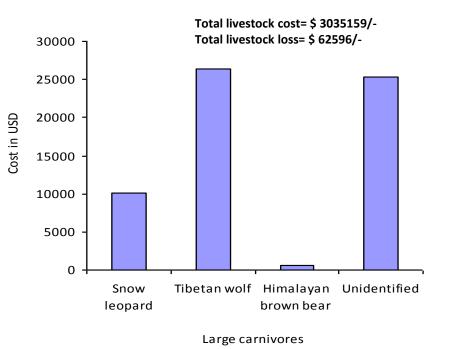
Large carnivore-human conflicts

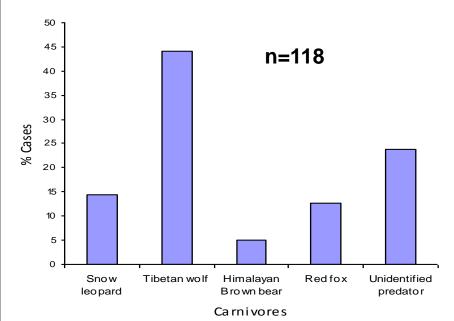
Total livestock 13356 and loss 427 by Snow leopard: 18%

Tibetan wolf: 41%

Unidentified: 37%

Total value (USD) of livestock loss by large carnivores in Kargil and Drass







Ongoing and Future Efforts



Mitigate carnivore-human conflicts in Kargil, Ladakh Initiation of predator-proof corral pens

Conservation awareness meetings

Mitigate unappreciated common issues between locals and Govt. on livestock loss

Mobilizing Govt. to restructure compensation mechanism and continuous flow of funds









