Integrating biodiversity conservation and livelihood provisions in protected area management: understanding stakeholders view on the role and prospects of non-timber

forest products

A Bangladesh case study

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Abstract

In the last few decades non-timber forest products (NTFPs) gains renewed importance to researchers due to their immense potentiality as a poverty reduction strategy. In fact, NTFPs are still a vital means of livelihood for a large number of rural people living in most developing countries. It has also perceived that, collection of NTFPs is ecologically less benign than timber harvesting that eventually enhances forest conservation. Protected areas (PAs) on the other hand represent a key strategy in biodiversity conservation worldwide. A main challenge however facing while managing PAs is the local resource dependency which has sometimes disregarded or poorly recognized by the local governing authorities. The present study collects and analyses the community views (n = 101) on the prospects of NTFPs for enhanced conservation within PAs and its present role in sustaining forest-based livelihoods. Study was performed between January 2006 to January 2007 in a north-eastern PAs of Bangladesh- Satchari National Park. Respondents were interviewed using a semi-structured questionnaire from various forest dependency categories. From the study it appears that, majority of the people (67%) of the area holds a strong and positive perception about NTFPs and their probable conservation value which surprisingly sometimes found in accordance with the arguments of various authors. The study also identified 14 NTFPs commonly used by the local inhabitants of the area of which 5 were reported critically important for supporting their livelihoods. Besides, collection, processing and sale of NTFPs constitute primary occupation for approximately 18% of households of the area among which 76% were poor to ultra poor and which accounts an estimated average of 19% of household's cash annual income. Finally study concludes for a allowable limit for harvesting of commercially important NTFPs from the PA as well as their massive plantation in buffer zones which should be managed under a participatory regime and where all the harvesting activity should be maintained under a strict regulation and monitoring system.

Key words: NTFPs; biodiversity conservation; poverty alleviation; forest-based livelihoods; protected area; Bangladesh.

Challenges of PA management in Bangladesh



(c) Unsustainable resource collection from PA due to unawareness and lack of proper monitoring are another key challenges of PA mana-

case-study

About the

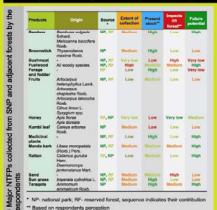


Causes of resource depletion in PAs



(b)

Study findings



HHs view on the prospective role of NTFPs in enhanced conservation :

■ HH reports NTFPs as a potential tool for balancing cons

livelihoods within PAs - 47%

Negative view - 31% No comments - 22%

(a) Share of different sector in HHs net annual income (n= 101) (b) Share of different sector in total employment (n= 101) (C) Contribution of different NTFPs in HHs total NTFP-based income

Forest dependency in the area (N= 822)

NTFPs prevent illegal logging—66% Collection of NTFPs retains parent individual in the forest floor—40% Ecologically less harmful forest land-use practice—61%

Selected public opinions on NTFPs

"illegal loggers when gets legal permission to collect particular amount of NTFPs from the forest; found a secured market and enough profit from their products they will definitely rely on NTFPs that ultimately contributes to con-

"We have collected NTFPs from Satchari since prehistoric times, but it doestn't damage the forest ecosystem as illegal felling does. Moreover we collect NTFPs seasonally, so it has enough time to recover (Tiprapara villlage).

Concluding remarks

harvesting limit, monitoring system and the following additional things however essential to ensure the success;

secured market and marketing channel

(c)

ocessing units

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