

Research Brief

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Conflict and Fragile Ecosystems: The Livestock and Livelihood Crisis in Northwest Syria

Findings from a study that was implemented in northwest Syria in the period March-July 2023

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INTRODUCTION

This research brief presents findings and lessons learned from a scoping study that was implemented in Northwest Syria in the period March-July 2023, by researchers from the University of Sussex Business School and the NGO “Syrian Academic Expertise”. This study contributes to an emerging research agenda in which we set out to address two apparently disparate, yet closely connected issues:

- Livestock production in Northwest Syria is in decline. The water buffalo in particular, which represents an important resource for farmers’ livelihoods, is at risk of extinction.
- There is an urgent need to recognize and address environmental land management, alongside humanitarian aid, in protracted conflict zones. This is a fundamental prerequisite to sustaining livelihoods, addressing multiple dimensions of food security and reducing poverty.

depend upon and contribute to. We found a very small number of active breeders in these Governorates and some farmers who had given up buffalo breeding but would have liked to reintroduce buffaloes if the right conditions were to come about.

Location of Study Current buffalo breeding areas: Afrin, Aleppo Governorate and Al-rooj Plain, Idlib Governorate

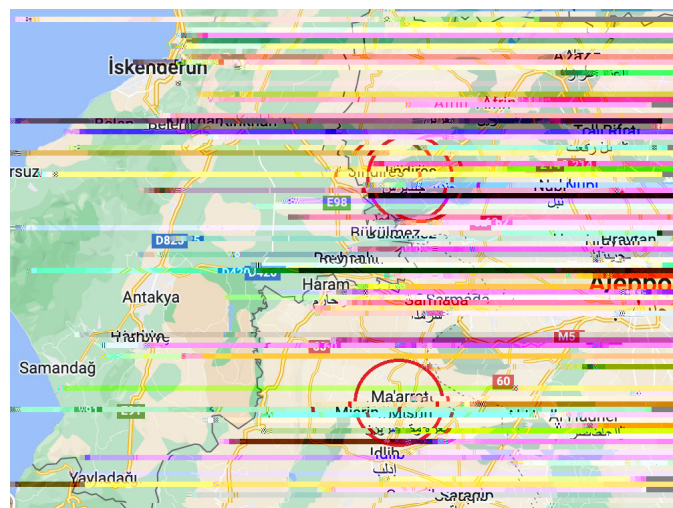
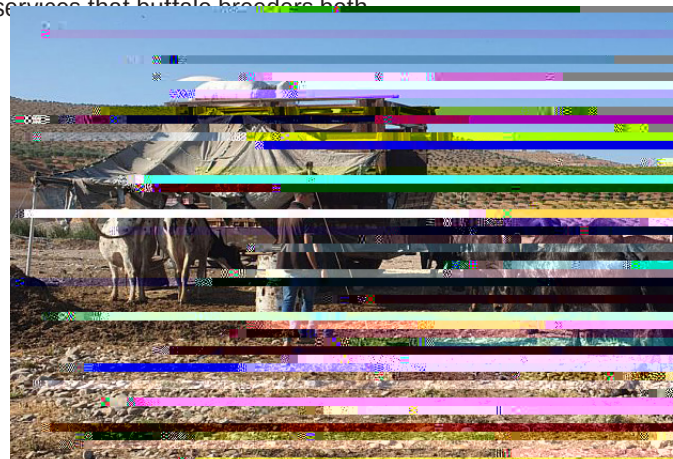


Photo 1: Herd taken to pasture, Idlib Governorate



3. COPING STRATEGIES FOR ARMED CONFLICT

- Displacement is very common: the average number of displacements was 10, almost every year since the start of the war. Moving the herds is difficult; each displacement results in some buffaloes being sold and then never replaced.
- Displacement affected people and animals too. Some herds relocated to colder places where the availability of barns in the winter becomes crucial for maintaining animal health and productivity.
- Importantly though, there is potential for relocation to more appropriate natural habitats that will support livestock; an example being buffalo breeders from the Al-Ghab Plain (Hama), moving to the Al-rooj Plain (Idlib).
- The expansion and maintenance of this approach will require increased awareness by agencies and international donors. It will also require enhanced capacity in environmental monitoring and mapping.

"We reduced the number gradually. We hoped that the conflict would end, but they were all sold. I wanted to bring the livestock with me, but that was not possible" (interview with a former buffalo breeder in Afrin).

4. SCARCITY OF FINANCIAL RESOURCES TO ACCESS INPUTS AND LACK OF EXTENSION SERVICES

- Insufficient financial resources to pay for concentrated food and veterinary supplies imported at high prices. The annual income of a family was \$12,000 before the conflict; today they earn \$5,000 with a herd one-quarter in size compared with the past.
- Collapse of the extension services in agriculture. The projects targeting livestock support in Northwest Syria provide free feed, vaccines and medicines, but their actions are limited within a specific time frame, type of support and specific entities and areas. Often, buffalo owners do not benefit from this support which is available for cattle.
- Limited knowledge and local capacity of alternative livestock production techniques and technologies. Artificial insemination is not available for buffalo in Northwest Syria but it is used, for the same breed, in Turkey.
- Public organisations such as the Syndicates of the Agricultural Engineers and Veterinary Doctors and the Union of Farmers lack the necessary financial resources to operate.

Is sustainability of your livelihoods possible in the current context?

"Yes, but fraught with great difficulty and danger due to conditions of war, displacement and lack of resources" (interview with a buffalo breeder in Idlib).

RECOMMENDATIONS

- Need to raise awareness of the significance of buffalo. Most of the support that is currently available will target cattle only.
- Need to improve collaboration between humanitarian organisations operating in the area in order to coordinate actions.
- Need for humanitarian organisations to work with other local actors to assess needs, implement effective projects and monitor progress.
- Critical need to move from short-term interventions (provision of feed, vaccines, medicines etc.) based on relief efforts, to more integrated longer-term development actions.
- Need to match the interventions to the breeders themselves and not to their current location. With frequent displacement, the implementation of projects is not guaranteed.
- All the actions identified point to the need to identify and map environmental data in relation to the location and relocation of breeders. There is a need to enhance capacity for this and for effective sharing of the data that is collected.

Conceptually and practically, this research enabled us to begin to develop appropriate analytical frameworks for assessing the ecological and social factors that influence the ecosystem services which buffalo provide and are dependent upon. This key element draws on a body of work on ecosystem services, food security and poverty alleviation led by Marshall, which potentially can be adapted to conflict zones.

It also enabled us to reflect on the possibilities for zones of peace or food and peace hubs where actions should focus on enduring results. In countries struck by protracted crises and war, local peace processes do take place in certain zones despite conflicts around them. Yet, peace is more likely to be built and sustained when livelihoods in conflict-affected communities can be sustained in the long term.

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