

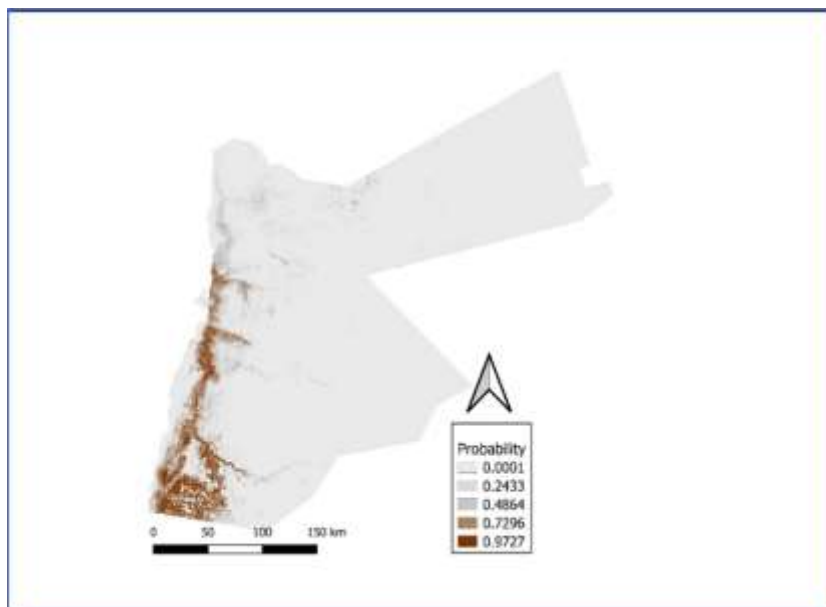
# A preliminary estimate of the breeding distribution of Sooty Falcon (*Falco concolor*) in Jordan

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This report presents the available data and the results of the first rapid assessment of the Sooty Falcon (*Falco concolor*) in Jordan, including a preliminary distribution model. The species was recorded at 18 sites, some of which were recently discovered (in 2024), mainly in the Hizma basin close to the Saudi border, and along the southern and Dead Sea Rift Margins. The model, along with knowledge gained during recent fieldwork, will aid in planning a systematic breeding survey, which will serve as the baseline for a monitoring program and conservation actions for this threatened species in Jordan. The Jordanian breeding population of Sooty Falcon cannot be considered as “marginal” because, according to actual records, its range extends at least 245 Km from the Saudi Border in the South to Wadi Mujib in the North. As the breeding population in southern Jordan appears to be continuous with the recently surveyed inland populations of north-western Saudi Arabia, the authors emphasize the importance of regional and cross-border cooperation, for improving actions to protect this species from further decline.



*Figure 1.* Maxent model showing with probabilities of environmental suitability for breeding Sooty Falcon in Jordan, based on 18 presence – only data